Panasonic

2.4GHz Digital Cordless Answering System

Operating Instructions

Model No. KX-TG2581ALS

KX-TG2581NZS

Caller ID Compatible

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 6 hours before initial use.

Before Initial Use

Thank you for purchasing your new Panasonic cordless telephone.

For Australia
When you subscribe to Caller ID services from your telephone operator, this telephone will display the caller's phone number. When available from your telephone operator, this telephone will also display the number of the second call or call waiting.

For New Zealand
Caller ID, where available, is a service provided by the telephone company. After subscribing to Caller ID, this phone will display a caller's phone number.

For your future reference

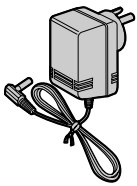
Serial No. _____ Date of purchase _____
(found on the bottom of the unit)

Name and address of dealer _____

Attach or keep original receipt to assist with any repair under warranty.

Accessories (included)

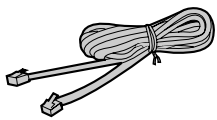
☐ AC Adaptor (p. 12)



one

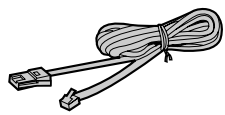
☐ Telephone Line Cord (p. 12)

For Australia



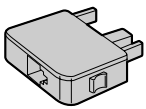
one

For New Zealand



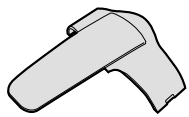
one

For Australia only
☐ Telephone Plug (p. 12)



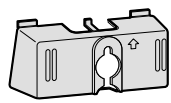
one

☐ Belt Clip (p. 15)



one

☐ Wall Mounting Adaptor (p. 66)



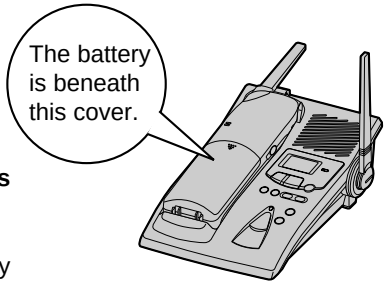
one

For Best Performance

Battery Charge

A rechargeable Nickel Cadmium (Ni-Cd) battery powers the handset. Charge the battery for about **6 hours** before initial use (p. 13).

- **As preventative maintenance, clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.

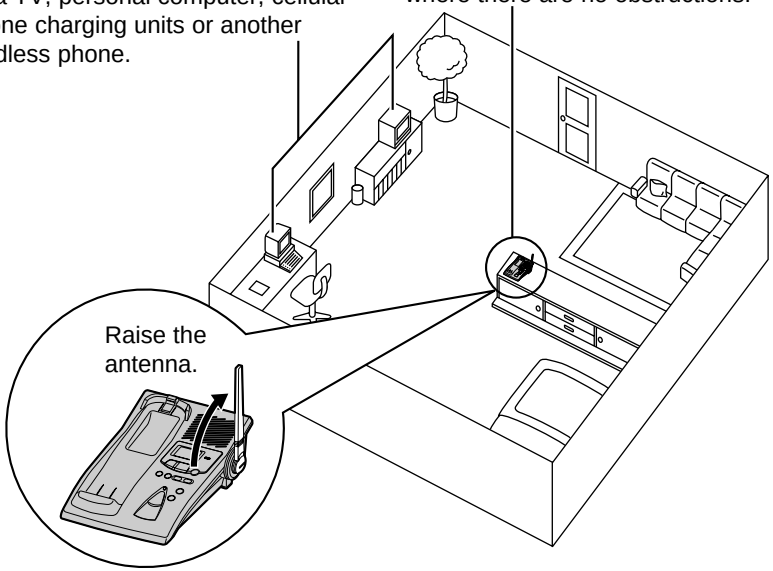


Base Unit Location/Noise

Calls are transmitted between the base unit and the handset using wireless radio waves. **For maximum distance and noise-free operation**, the recommended base unit location is:

Away from electrical appliances such as a TV, personal computer, cellular phone charging units or another cordless phone.

In a high and central location, preferably where there are no obstructions.



Note:

While using the handset:

- If you are near a microwave oven which is being used, noise may be heard from the receiver. Move away from the microwave oven and closer to the base unit.
- If more than one cordless phone is being used and your handset is near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

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Cordless Telephone

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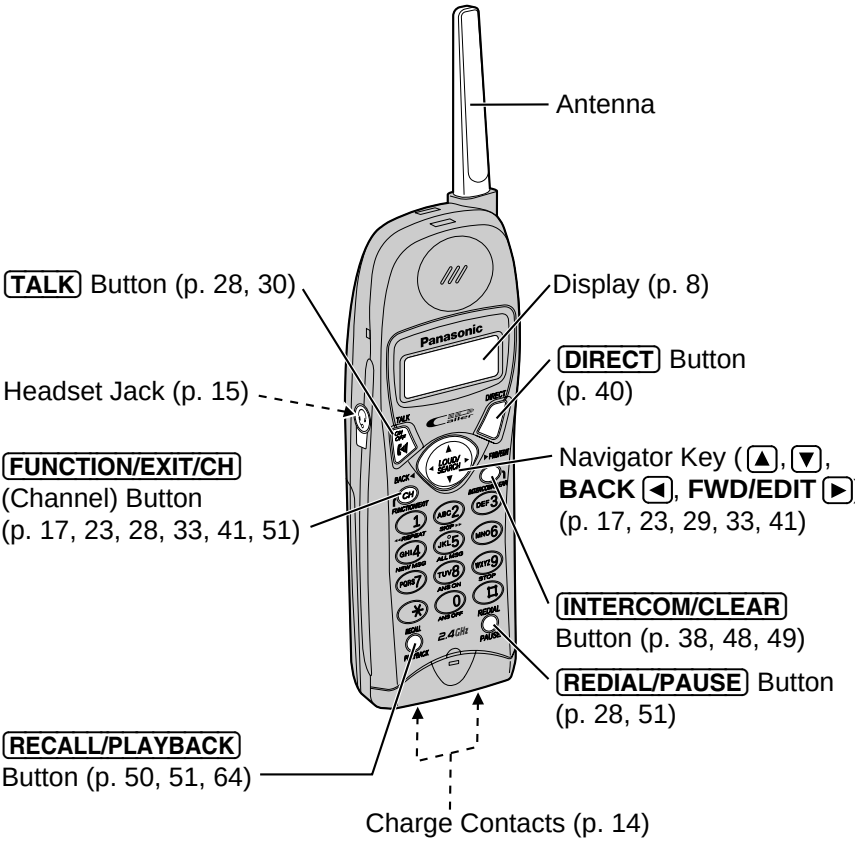
Location of Controls

Handset



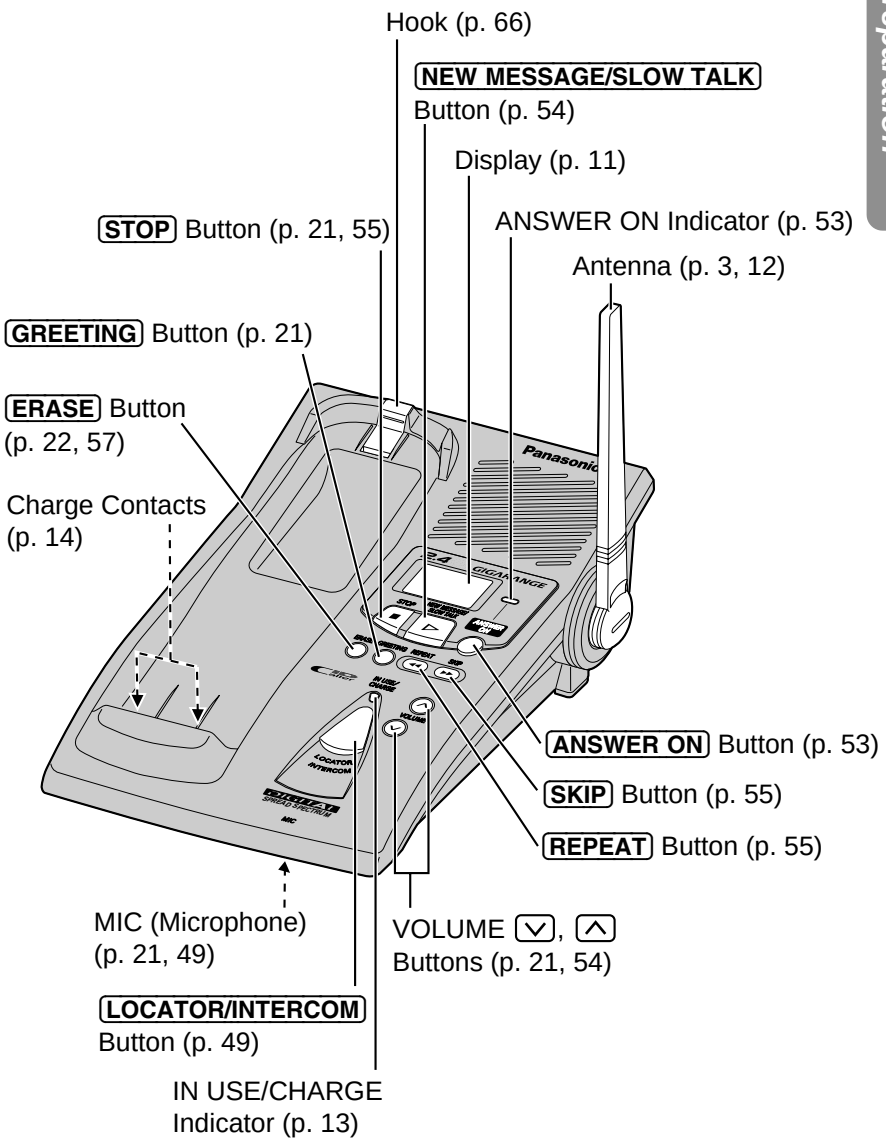
How to use the Navigator key

This key has four active areas that are indicated by arrows.

- Pressing the up and down arrows allows you to enter the Caller List and scroll through the function menu, the Caller List and the directory list. The up and down arrows are also used to adjust the handset ringer and receiver volumes.
- Pressing the right and left arrows allows you to enter the directory list and to move the cursor when entering directory items.
- The right arrow is also used to select or confirm your menu choices.

Throughout these Operating Instructions, the navigator key is indicated by the arrows ▼, ▲, ◄ or ►.

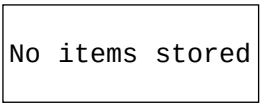
Base unit


Hook (p. 66)
NEW MESSAGE/SLOW TALK Button (p. 54)
Display (p. 11)
STOP Button (p. 21, 55)
ANSWER ON Indicator (p. 53)
Antenna (p. 3, 12)
GREETING Button (p. 21)
ERASE Button (p. 22, 57)
Charge Contacts (p. 14)
ANSWER ON Button (p. 53)
SKIP Button (p. 55)
REPEAT Button (p. 55)
MIC (Microphone) (p. 21, 49)
VOLUME Buttons (p. 21, 54)
LOCATOR/INTERCOM Button (p. 49)
IN USE/CHARGE Indicator (p. 13)

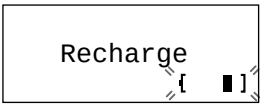
Displays

Both the handset and the base unit show you instructions and information on their displays. These display prompts are shown below.

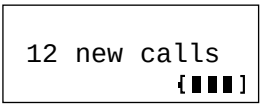
Handset display



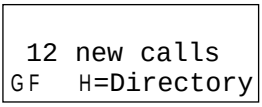
The Caller List is empty or there are no stored items in the directory.



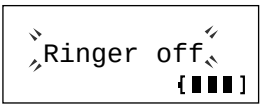
The battery needs to be charged. Place the handset on the base unit to charge the battery (p. 14).



The display shows the number of new calls and the battery strength while the handset is on the base unit.

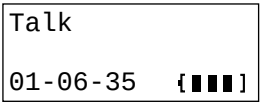


This display shows the number of new calls when ▼ or ▲ is pressed while the handset is off the base unit.
To search from the most recent call, press ▼.
To search from the oldest call, press ▲ (p. 33).
To go to the directory list, press **FWD/EDIT** ▶ (`Directory` key).



When the handset ringer volume is set to OFF (p. 19), "`Ringer off`" will flash for about 45 seconds before the handset returns to the standby mode (p. 14).

When a call is received, the display shows the caller's phone number after the first ring.



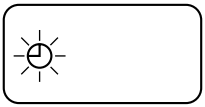
During a conversation, the display shows the length of the call (ex. 1 hour, 6 minutes and 35 seconds). The battery strength is also displayed (p. 13).

No link to base Place on cradle and try again.	The handset has lost communication with the base unit. Place the handset on the base unit and try again.
0355566677 11:20A JAN10 x3	This is an information from the Caller List. The display shows: — the caller's phone number, — the time and date of the last call (ex. Jan. 10, 11:20 AM), and — the number of times called (ex. 3 times).
Ann 0267543210	This is a name from the directory. The stored name and phone number are displayed.
Paging Press INTERCOM	The base unit is paging the handset (p. 49).
Intercom 00-00-07 [▮▮▮]	The handset and the base unit are in the intercom mode (p. 49).
0266667777 ----Waiting----	A second call is received during a conversation (p. 50).

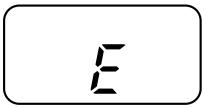
Displays

Please lift up and try again.	▼, ▲, **BACK** ◄ or **FWD/EDIT** ► was pressed while the handset was on the base unit. Lift the handset and press the button again.
Not available	While the base unit was not in the standby mode, ▼ or ▲ was pressed to search the Caller List/directory list, **FWD/EDIT** ► was pressed to select an option or **INTERCOM/CLEAR** was pressed.
Directory full	When trying to store an item or Caller List information in the directory, the directory memory is full (p. 37, 42).
Save error	While storing items in the directory, the handset has lost communication with the base unit. Move closer to the base unit and try again.
Time/day Adj.→0 See manual for other settings.	The unit is in answering system programming mode (p. 23).
Remote operation [▮▮▮]	The handset is operating the answering system remotely (p. 64).

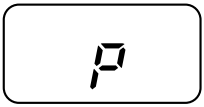
Base unit display



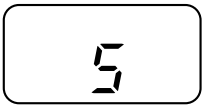
The clock needs adjusting (p. 24).



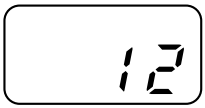
Your greeting message was not recorded correctly. Record it again (p. 21).



The unit is in the answering system programming mode.



The speaker volume level is set to “5”. You can select 9 levels (0–8) while using the answering system (p. 53) or the intercom (p. 49).



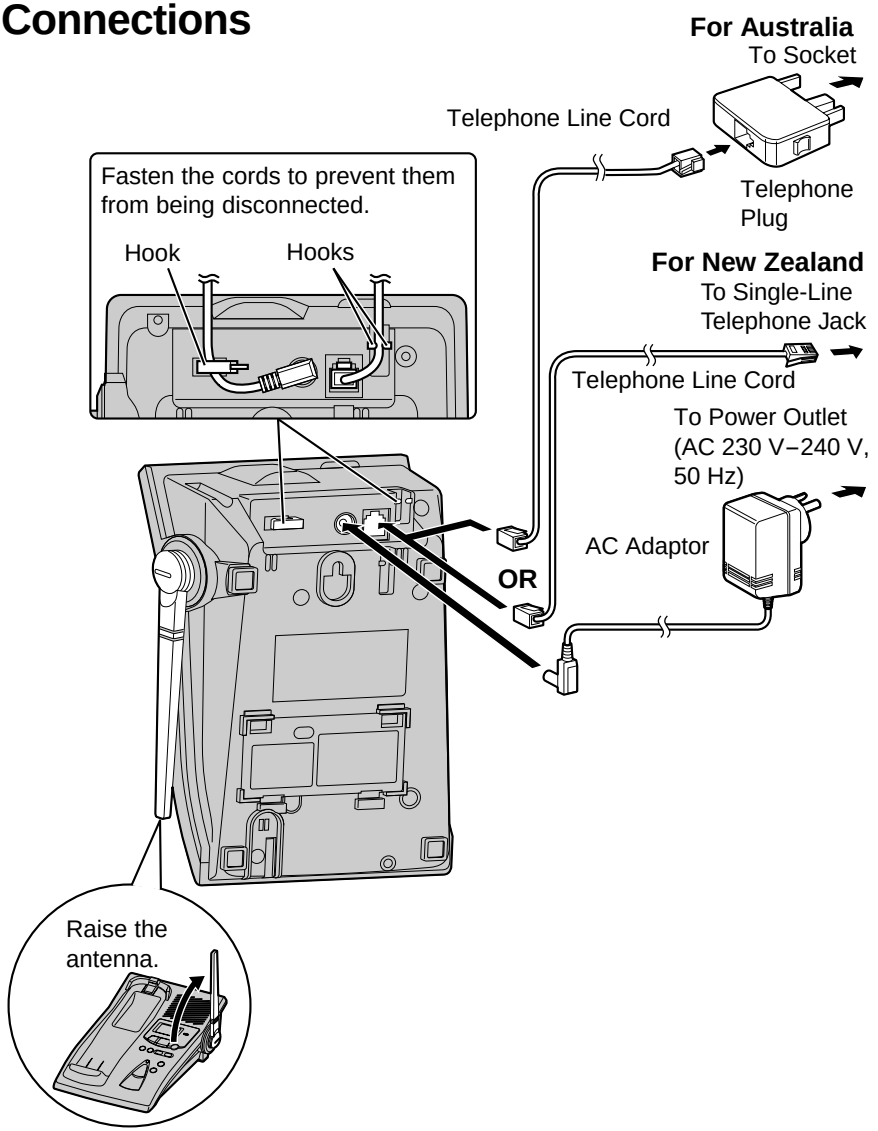
12 messages have been recorded.

Memory is full. Erase some or all of the messages (p. 57).

The recording time is set to “Greeting only” (p. 26). (The display is blank.)

Settings

Connections

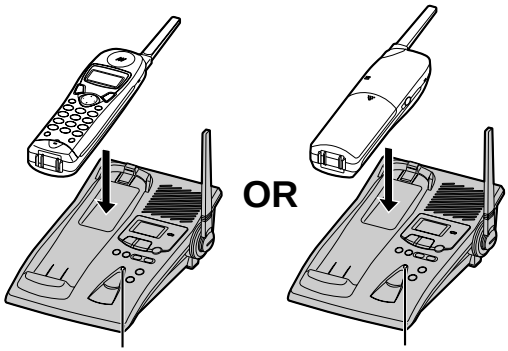


- USE ONLY WITH Panasonic AC ADAPTOR PQLV10AL.
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- To connect a standard telephone on the same line, see page 69.
- If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.
- KX-TG2581AL and KX-TG2581NZ are not designed to be used with rotary (pulse dialling) services.
- KX-TG2581NZ will not answer incoming calls on your FaxAbility number.

Battery Charge

Place the handset on the base unit and charge for about **6 hours** before initial use.

- The IN USE/CHARGE indicator lights and a beep sounds.



Battery strength

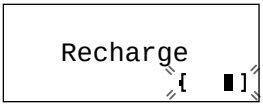
You can check the battery strength on the handset display while the handset is on the base unit, while it is in use (making/answering a call etc.), or after viewing the Caller List or directory items, programming etc. The battery strength will remain for a few seconds after using the handset, then the display will return to the standby mode (p. 14).

The battery strength is as shown in the chart below.

Display prompt	Battery strength
[▮▮▮]	Fully charged
[▮▮]	Medium
[▮]	Low
[▮] (flashing)	Needs to be recharged.

Recharge

Recharge the battery when:
—"Recharge" is displayed on the handset,
—"{ ▮]" flashes on the display, or
—the handset beeps intermittently while it is in use.



- If you DO NOT recharge the handset battery for more than 15 minutes, the display will keep indicating "Recharge" and/or "{ ▮]" will continue to flash.
- To fully recharge the battery, the handset should be left on the base unit.

Battery information

After your Panasonic battery is fully charged (p. 13):

Operation		Operating time
While in use (TALK)	near the base unit*	Up to 4.5 hours
	away from the base unit	Up to 3.5 hours
While not in use (Standby)		Up to 11 days

*Within about 3 meters

- The battery operating time may be shortened depending on usage conditions, such as viewing the Caller ID Caller List or directory list, and ambient temperature.
- **As preventative maintenance, clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
- If the battery is fully charged, you do not have to place the handset on the base unit until "Recharge" is displayed and/or "{ ▮]" flashes. This will maximize the battery life.
- The battery cannot be overcharged.

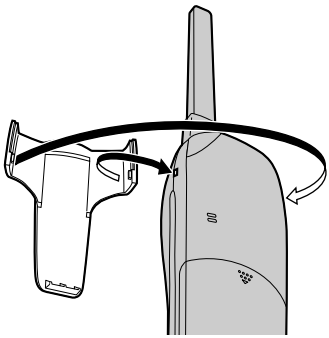
Standby Mode **(While the handset is off the base unit)**

The handset goes into the standby mode after you finish using the handset (making/answering a call, viewing the Caller List or directory list etc.). The display is blank, but the handset can receive calls. The battery operating time is conserved in this mode.

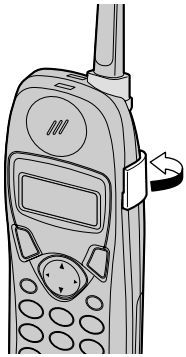
Using the Belt Clip

You can hang the handset on your belt or pocket using the belt clip.

To attach the belt clip



To remove the belt clip



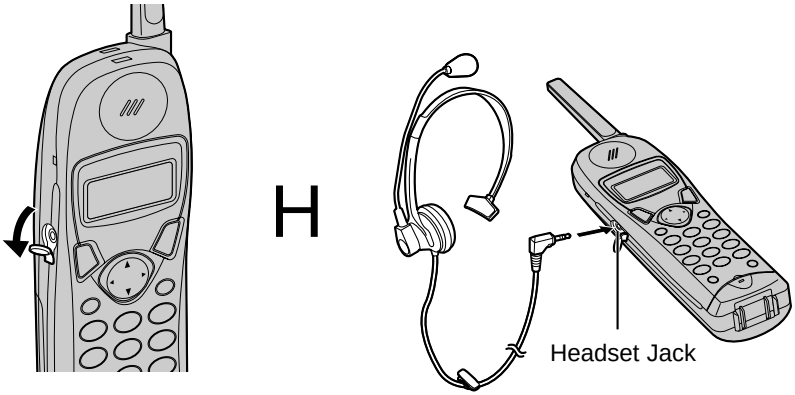
Using an Optional Headset

Plugging an optional headset into the handset allows a hands-free phone conversation. Please use only the Panasonic KX-TCA88AL headset.

Only telecommunications compliance labelled headsets should be plugged into the headset jack on the handset.

Connection an optional headset to the handset

Open the headset jack cover, and connect the headset to the headset jack as shown below.

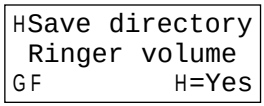


When the optional headset is connected to the handset, make sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

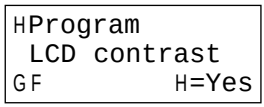
Selecting the Line Mode

If the line is connected to a low voltage system such as a PBX, set to “B”. Otherwise the Call Waiting Caller ID Feature may not be used (p. 50).
Your phone comes from the factory set to “A”.
Use the handset near the base unit.
Make sure the unit is in the standby mode initially.

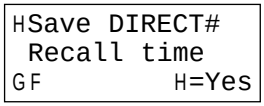
1 Press **FUNCTION/EXIT/CH**.



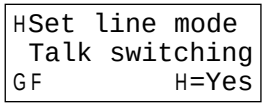
2 Press ▼ or ▲ repeatedly until the arrow points to “Program”.



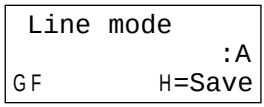
3 Press **FWD/EDIT** ► (Yes key).



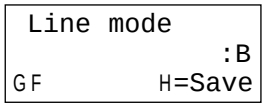
4 Press ▼ or ▲ repeatedly until the arrow points to “Set line mode”.



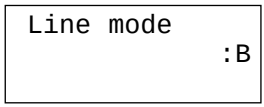
5 Press **FWD/EDIT** ► (Yes key).



6 Press ▼ or ▲ to select “B” or “A”.



7 Press **FWD/EDIT** ► (Save key).
- A beep sounds.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.



- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
- If the handset has lost communication with the base unit, 3 beeps sound and “No link to base Place on cradle and try again.” is displayed.

Programmable Functions

You can program the following functions **by using the handset near the base unit**. The display shows the programming instructions. See the corresponding pages for function details.
Make sure the unit is in the standby mode initially.

Lift the handset, and press **FUNCTION/EXIT/CH**.

<Function menu>*

- `HSave directory` ..... To store an item in the directory (p. 42).
- `Ringer volume` ..... To select the ringer volume (p. 19).
- `Program`
- `LCD contrast` ..... To select the LCD contrast (p. 20).

Press **FWD/EDIT** ▶.

<Function menu>*

- `HSave DIRECT#` ..... To store a phone number in the DIRECT button (p. 40).
- `Recall time` ..... To select the recall time (p. 51).
- `Set line mode` ..... To select the line mode (p. 16).
- `Talk switching` ..... To set the auto talk feature (p. 18).
- `TAD program` ..... To program answering system functions (p. 23).

During programming:

*To select a desired function item, press ▼ or ▲ repeatedly until the arrow points to the item. Then press **FWD/EDIT** ▶ to go to the next step.

- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
- If you do not press any buttons for 60 seconds, the unit will return to the standby mode.
- If the handset has lost communication with the base unit, 3 beeps sound and "`No link to base Place on cradle and try again.`" is displayed.

Setting the Auto Talk Feature

The Auto Talk feature allows you to answer a call by lifting the handset off the base unit without pressing **TALK**. If you want to use this feature, turn the feature ON by programming. Your phone comes from the factory set to OFF.

Make sure the unit is in the standby mode initially.

1 Press **FUNCTION/EXIT/CH**.

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
HProgram
 LCD contrast
GF          H=Yes
```

3 Press **FWD/EDIT** ► (Yes key).

4 Press ▼ or ▲ repeatedly until the arrow points to "Talk switching".

```
 Set line mode
HTalk switching
GF          H=Yes
```

5 Press **FWD/EDIT** ► (Yes key).

```
 Auto talk
            :Off
GF         H=Save
```

6 Press ▼ or ▲ to select "On" or "Off".

```
 Auto talk
            :On
GF         H=Save
```

7 Press **FWD/EDIT** ► (Save key).

- A beep sounds.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.

```
 Auto talk
            :On
```

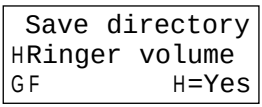
- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
- In order to view Caller ID information after you lift up the handset to answer a call, leave the Auto Talk feature OFF.

Selecting the Ringer Volume

You can program the ringer volume to HIGH, LOW or OFF. If set to OFF, the unit will not ring. Your phone comes from the factory set to HIGH.
Make sure the unit is in the standby mode initially.

1 Press **FUNCTION/EXIT/CH**.

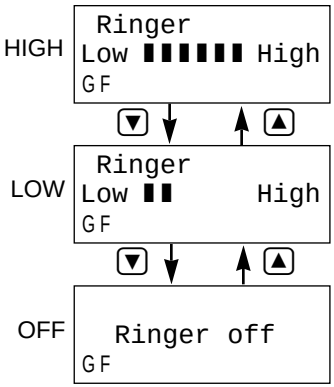
2 Press ▼ or ▲ repeatedly until the arrow points to "Ringer volume".



3 Press **FWD/EDIT** ► (Yes key).

4 Press ▼ or ▲ to select the desired volume.

- The selected volume is displayed and rings.
- **To turn the ringer OFF**, press and hold ▼ until 2 beeps sound.



To turn the ringer ON, press ▲ or ▼ in step 4.

- The ringer will sound at the LOW level.

- You can also select the ringer volume while a call is being received. Press ▼ or ▲ while the unit is ringing.
- When set to OFF, "Ringer off" will flash for about 45 seconds before the handset returns to the standby mode.
- When you replace the battery, the selected ringer volume setting will return to the factory set (HIGH). Reprogram if necessary.

Selecting the LCD Contrast

You can program the handset LCD contrast (5 levels). To make the handset display clearer, set to high level. Your phone comes from the factory set to level 3.

Make sure the unit is in the standby mode initially.

1 Press **FUNCTION/EXIT/CH**.

2 Press ▼ or ▲ repeatedly until the arrow points to "LCD contrast".

```
 Program
HLCD contrast
GF          H=Yes
```

3 Press **FWD/EDIT** ► (Yes key).

```
 LCD contrast
 Low ▮▮▮   High
GF          H=Save
```

4 Press ▼ or ▲ to select the desired contrast.

- Each time you press ▼ or ▲, the LCD contrast will change.

5 Press **FWD/EDIT** ► (Save key).

- A beep sounds.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.

- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.

Preparing the Answering System

Greeting Message

You can record a personal greeting message of **up to 2 minutes**. If a greeting message is not recorded, one of two pre-recorded greetings will be played when a call is received (p. 22).

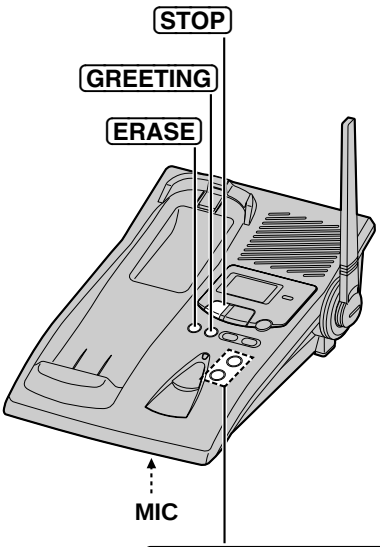
The **total recording time** of all messages (greeting, incoming) is **about 15 minutes**. We recommend you record **a brief greeting message** (see sample below) in order to leave more time for recording new messages.

To record a greeting message

1 Press and hold **GREETING** until "Record greeting after the beep" is heard.

2 Talk clearly, about 20 cm away from the **MIC** (microphone).
- The base unit display shows the elapsed recording time.
- If you record for over 2 minutes, the unit will automatically stop recording.

3 When finished, press **STOP**.
- **To check** the recorded greeting, press **GREETING** briefly.
- To change the message, start again from step 1.



To increase the volume, press **VOLUME** ∧. To decrease, press **VOLUME** ∨.

Greeting message sample

"Hello, this is (your name and/or number). Sorry I cannot take your call. Please leave a message after the beep. Thank you."

To erase the recorded greeting message

Press **GREETING** briefly \ press **ERASE** while the message is being played.

•The unit will answer a call with a pre-recorded greeting.

Pre-recorded greeting message

If you do not record a greeting message (p. 21), one of two messages will be played when a call is received, depending on the caller's recording time (p. 26).

To check the pre-recorded greeting, press **GREETING** briefly.

•A pre-recorded greeting will be played as follows:

■ When the recording time is set to "1 minute" or "3 minutes":
"Hello, we are not available now. Please leave your name and phone number after the beep. We will return your call."

■ When the recording time is set to "Greeting only":
"Hello, we are not available now. Please call again. Thank you for your call."

Flash Memory Message Backup

Messages are stored on a "flash memory" IC chip and will not be affected by power failures. All messages are saved until you erase them.

Programming Summary for the Answering System

You can program the following functions **using the handset near the base unit. See the page numbers below for details. Make sure the unit is in the standby mode initially.**

Press **FUNCTION/EXIT/CH**.

G

Press ▼ or ▲ to select "Program", and press **FWD/EDIT** ► (Yes key).

G

Press ▼ or ▲ to select "TAD program", and press **FWD/EDIT** ► (Yes key).
•"Time/day Adj.→0 See manual for other settings." is displayed on the handset.

G

To adjust **the time and day**, press **0**. (page 24)
To set **the remote code**, press **1**. (page 59)
To select **the number of rings**, press **2**. (page 27)
To select **the caller's recording time**, press **5**. (page 26)
•The base unit display shows numbers related to the adjustment or settings.

G

Press **FWD/EDIT** ► (Save key).

- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
- If you do not press any buttons for 60 seconds, the unit will return to the standby mode.
- If 6 beeps sound on the base unit during programming, a wrong key was pressed. Enter the correct number.
- If the handset has lost communication with the base unit, 3 beeps sound and "No link to base Place on cradle and try again." is displayed on the handset.

Day and Time Adjustment

Voice Time/Day Stamp: During playback, a synthesized voice will announce the day and time that each message was recorded.

1 Press **FUNCTION/EXIT/CH**.

```
HSave directory
 Ringer volume
GF          H=Yes
```

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
HProgram
 LCD contrast
GF          H=Yes
```

3 Press **FWD/EDIT** ► (Yes key).

```
HSave DIRECT#
 Recall time
GF          H=Yes
```

4 Press ▼ or ▲ repeatedly until the arrow points to "TAD program".

```
HTAD program

GF          H=Yes
```

5 Press **FWD/EDIT** ► (Yes key).
- "P" is displayed on the base unit.

```
Time/day Adj.→0
See manual for
other settings.
```

6 Press **0**.
- "Set time" is announced.
  If previously adjusted, the day/time will be heard.

7 Enter the time (hour and minute) using a 4-digit number.
(Ex. To set 9:30, enter "0930".)
- The last two digits of the entered number are displayed.

8 Press ✱ to select "AM" or "PM".
Press # repeatedly to set the day.

9 Press **FWD/EDIT** ► (Save key).
- The unit announces the day/time. The clock starts working.
- If 6 beeps sound, the setting is not correct. Start again from step 5.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.

•In step 7, you cannot enter numbers greater than 12. **Do not use military.** (To set 13:00 hours, enter “0100”, and select “PM” by pressing ⊛.)

If a power failure occurs, the time may be shifted. When “◴” flashes on the base unit display, reprogram the current day/time.

To check the time/day

Repeat steps 1 to 6 on page 24.

•The current time/day is heard. When finished, press **FUNCTION/EXIT/CH**.

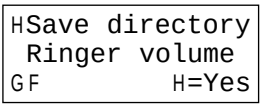
For Caller ID service users (p. 31)

•The Caller ID information will re-set the clock after the first ring if the adjusted time is incorrect. However, the day will not be re-set. Set the day following the procedures on page 24.
•If the time has not previously been set, the Caller ID information will not adjust the clock.
•The Caller ID information will automatically adjust the clock for daylight saving time.

Selecting the Caller's Recording Time

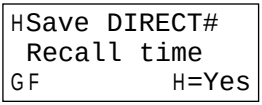
You can select "1 minute", "3 minutes" or "Greeting only" for the caller's recording time. Your phone comes from the factory set to "3 minutes".

1 Press **FUNCTION/EXIT/CH**.

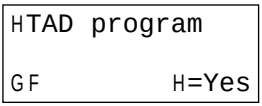


2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

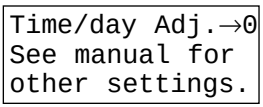
3 Press **FWD/EDIT** ► (Yes key).



4 Press ▼ or ▲ repeatedly until the arrow points to "TAD program".



5 Press **FWD/EDIT** ► (Yes key).
- "P" is displayed on the base unit.



6 Press **5**.
- The current setting is displayed on the base unit.
  1: 1 minute
  2: 3 minutes
  3: Greeting only

7 Press **1**, **2** or **3** to select the recording time.
- The setting is displayed on the base unit.

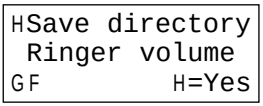
8 Press **FWD/EDIT** ► (Save key).
- A beep sounds.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.
- If "Greeting only" is selected, the base unit display will become blank.

If you select "Greeting only", the unit will answer a call with the greeting message, and then hang up. The unit will not record any incoming messages.

Selecting the Number of Rings

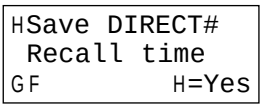
You can select the number of times the unit rings before the answering system answers a call, from “3” to “7” or “AUTO” (for Toll Saver*). Your phone comes from the factory set to “4”.

1 Press **FUNCTION/EXIT/CH**.

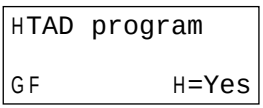


2 Press ▼ or ▲ repeatedly until the arrow points to “Program”.

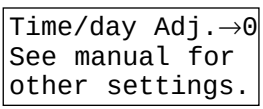
3 Press **FWD/EDIT** ► (Yes key).



4 Press ▼ or ▲ repeatedly until the arrow points to “TAD program”.



5 Press **FWD/EDIT** ► (Yes key).
- “P” is displayed on the base unit.



6 Press 2.
- The current setting is displayed on the base unit.

7 Press 0, or 3 to 7 to set the number of rings.

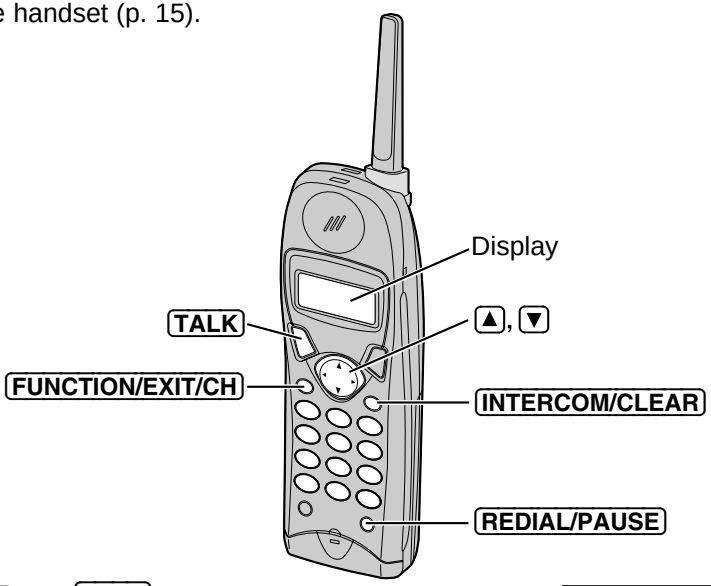
0: Selects “AUTO”. “A” is displayed.
3–7: The unit will answer after the selected number of rings.

8 Press **FWD/EDIT** ► (Save key).
- A beep sounds.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.

***Toll saver (When set to “AUTO”)**
When you call the unit from a touch tone telephone:
If the unit answers on the 3rd ring, there is at least one new message.
If the unit answers on the 5th ring, there are no new messages.
Hang up when you hear the 4th ring. This will save you the toll charge for the call.

Making Calls

To have a hands-free phone conversation, connect the optional headset to the handset (p. 15).



1 Press **TALK**.

```
Talk
```

2 Dial a phone number.

- The dialled number is displayed.
- After a few seconds, the display will show the length of the call and the battery strength.

```
Talk
0111112222
```

```
Talk

00-00-00   [▮▮▮]
```

3 To hang up, press **TALK** or place the handset on the base unit.

```
Off

00-01-08   [▮▮▮]
```

- If the handset has lost communication with the base unit, 3 beeps sound and "`No link to base Place on cradle and try again.`" is displayed.

If noise interferes with the conversation

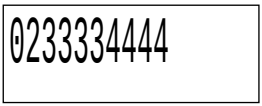
Press **FUNCTION/EXIT/CH** to select a clearer channel or move closer to the base unit.

To redial the last number dialled

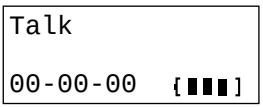
Press **TALK** and press **REDIAL/PAUSE**.

To dial after confirming the entered number

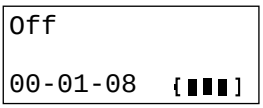
1 Dial a phone number.
- If you misdial, press **INTERCOM/CLEAR** and dial again.



2 Press **TALK**.
- After a few seconds, the display will show the length of the call and the battery strength.



3 To hang up, press **TALK** or place the handset on the base unit.

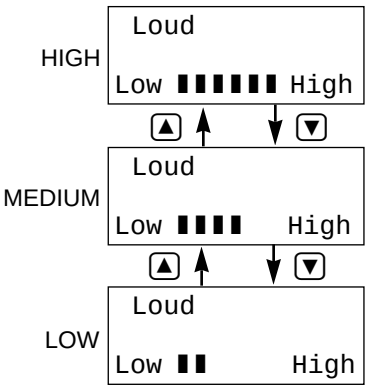


To redial after confirming the last number dialled

Press **REDIAL/PAUSE** and press **TALK**.

To adjust the receiver volume (HIGH, MEDIUM or LOW) while talking

To increase, press ▲.
To decrease press ▼.
- Each time you press ▼ or ▲, the volume level will change.
- The display will return to the length of the call.

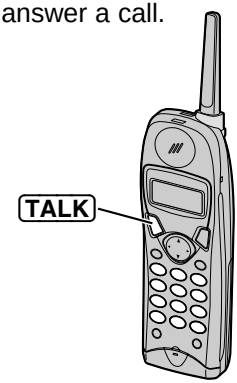


Answering Calls

When a call is received, the unit rings, "`Incoming call`" is displayed on the handset and the IN USE/CHARGE indicator on the base unit flashes quickly.
If you subscribe to a Caller ID service, the calling party information will be displayed after the first ring (p. 31). In order to view the Caller ID information, please wait until the second ring to answer a call.

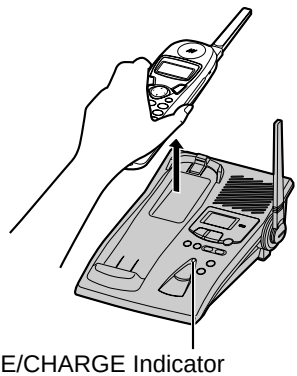
Press **TALK**.

- You can also answer a call by pressing any dialling button **0** to **9**, ***** or **#** (—**Any Key Talk**).



Auto Talk

If you set the Auto Talk feature to ON (p. 18), you can answer a call by lifting the handset off the base unit without pressing **TALK**.



When the optional headset is connected (p. 15), make sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

Lighted handset keypad

The handset dialling buttons will light when you press a button or lift the handset off the base unit, and flash when a call is received.
The lights will go out a few seconds.

Backlit LCD display

The lighted handset display will stay on for a few seconds after pressing a handset button, lifting the handset off the base unit, hanging up a call, leaving the programming mode or ending the intercom.

Caller ID Service

This unit is compatible with a Caller ID service offered by your telephone company. If you subscribe to a Caller ID service, the calling party's information will be shown on the handset display after the first ring.

The unit can record information of up to 50 different callers in the Caller List. The Caller List information is sorted by the most recent to the oldest call. When the 51st call is received, the information of the the first call is replaced with the information of the 51st call.

Using the list, you can automatically call back a caller. You can store the callers' phone numbers from the Caller List into the directory.

When a second call is received while talking, the new caller's phone number will be displayed (**for Australia only**) (p. 50).

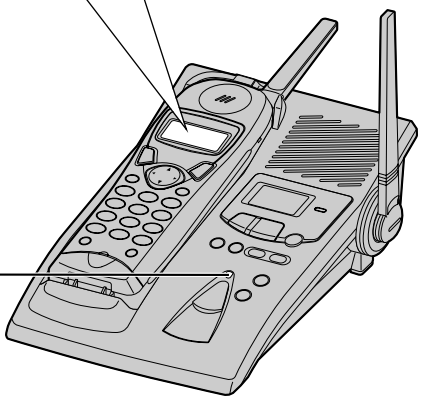
How caller information is displayed when a call is received

The handset display shows the caller's phone number after the first ring.*

- After you answer the call, the display will show the length of the call.

0244448888

(The number is an Australian example.)



The IN USE/CHARGE indicator light will flash quickly when a call is being received.

*Private name display

If you receive a call from one of the same phone numbers stored in the directory, the caller's name will also be displayed.

TINA ROBINSON
0244448888

- To use this function, names and phone numbers must be stored in the directory (p. 41).

- Caller information cannot be displayed in the following cases:
  - —If the caller dialled from an area which does not provide a Caller ID service, the display will show "Out of area".
  - —If the caller has requested not to display his/her information, the display will show "Private caller".
- If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.
- If the name display service is available in your area, the display will show caller's names. For further information, please contact your telephone company.
- For additional information on Caller ID services and call waiting, please refer to page 50.

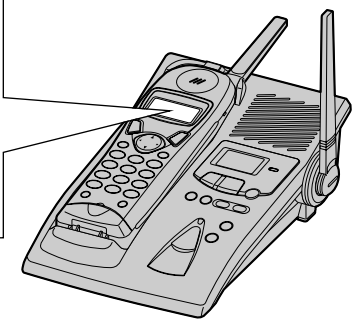
For New Zealand Users:
Your telephone company may not support the second caller display feature.

To check the number of new calls

While the handset is on the base unit:

If you have received 10 new calls, the display will show the following:

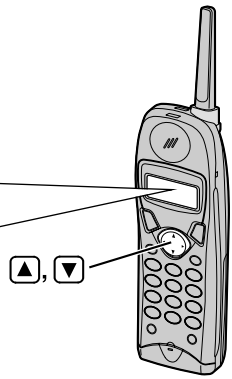
```
10 new calls
          {■■■]
```



While the handset is off the base unit:
The unit must be in the standby mode.

Press ▼ or ▲ to turn the display on.
If you have received 10 new calls, the display will show the following:

```
 10 new calls
GF  H=Directory
```



- If "No items stored" is displayed, the Caller List is empty.

Using the Caller List

Viewing the Caller List

To check who has called, follow the steps below.
Make sure the unit is in the standby mode initially.

1 Lift the handset off the base unit and press ▼ or ▲ to enter the Caller List.

- The display will show, for example, the following.

```
  2 new calls
GF  H=Directory
```

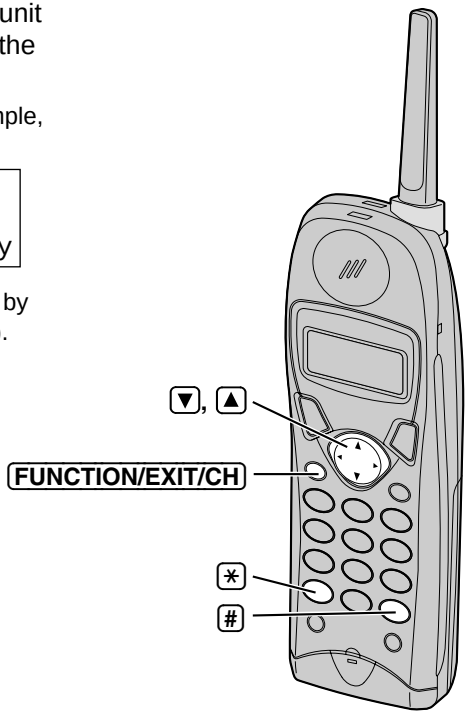
- You can go to the directory list by pressing **FWD/EDIT** ► (p. 45).

2 To search from the most recent call, press ▼.
To search from the oldest call, press ▲.

- To scroll between callers, press ▼ or ▲.

3 To exit the list, press **FUNCTION/EXIT/CH**.

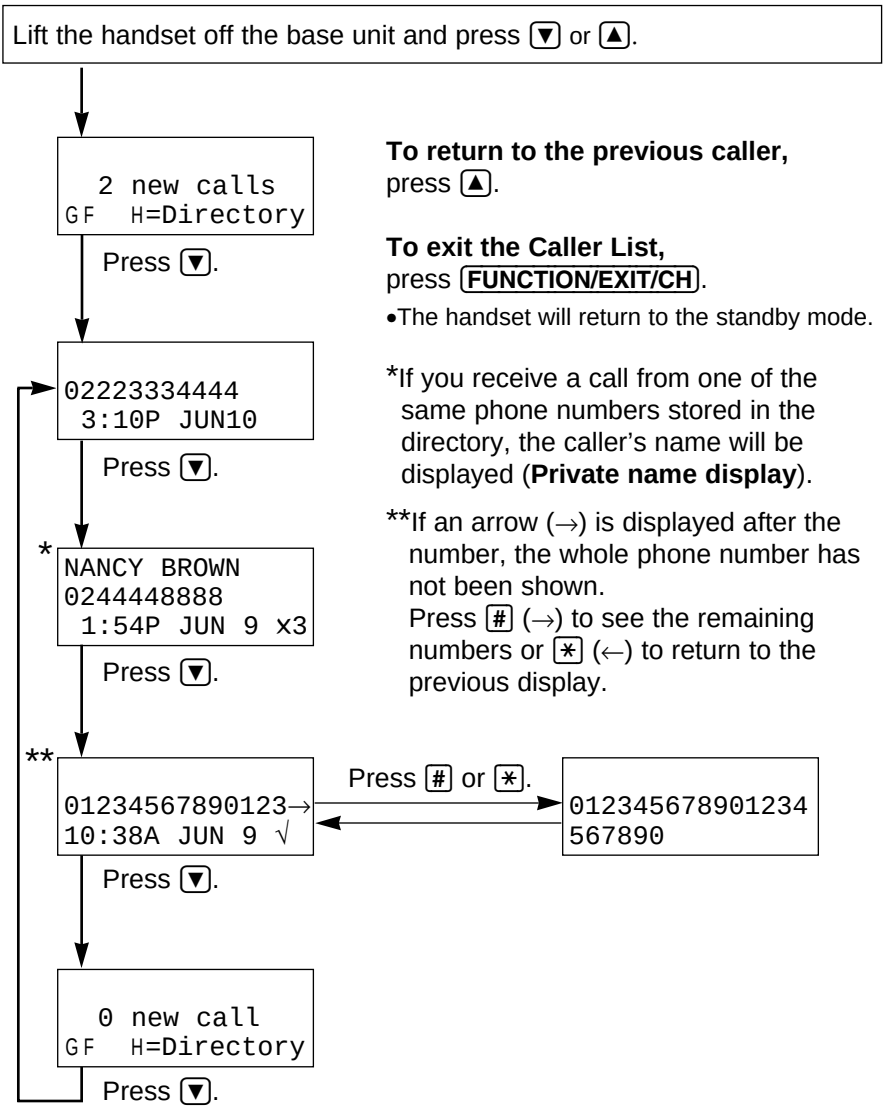
- The handset will return to the standby mode.



- Once new calls have been checked, "√" will be added.
- If "No items stored" is displayed, the Caller List is empty.
- If more than one call is received from the same caller, the date and time of the last call will be recorded. If the same caller calls again, the call entry with "√" will be deleted.

Using the Caller List

Ex. When you search from the most recent call:



To return to the previous caller,
press ▲.

To exit the Caller List,
press **FUNCTION/EXIT/CH**.

- The handset will return to the standby mode.

*If you receive a call from one of the same phone numbers stored in the directory, the caller's name will be displayed (**Private name display**).

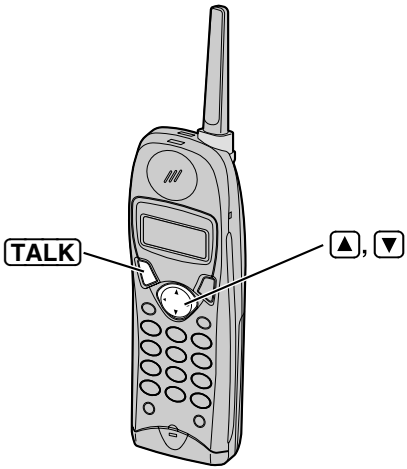
**If an arrow (→) is displayed after the number, the whole phone number has not been shown.
Press # (→) to see the remaining numbers or * (←) to return to the previous display.

Display meaning:

√ : You have checked this caller information, answered the call, called back the caller or played back the message.

x2-x9 : The number of times the same caller called (up to 9). After checking, "x2" – "x9" will be replaced with "√".

Calling Back from the Caller List



1 Lift the handset off the base unit and press ▼ or ▲ to enter the Caller List.

```
  3 new calls
GF  H=Directory
```

2 Press ▼ or ▲ repeatedly to find the desired caller.

```
0355566677
11:20A JAN12 x3
```

3 Press **TALK**.

- The displayed phone number is dialled automatically.

```
Talk
0355566677
```

```
Talk

00-00-00  [▮▮▮]
```

- In some cases, you may have to edit the number before dialling (p. 36).
- If a phone number is not displayed in the caller information, you cannot call back that caller.

For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the “0” prefix or the area code digit.

Editing the Caller's Phone Number

You can edit a phone number in the Caller List.
Make sure the unit is in the standby mode initially.

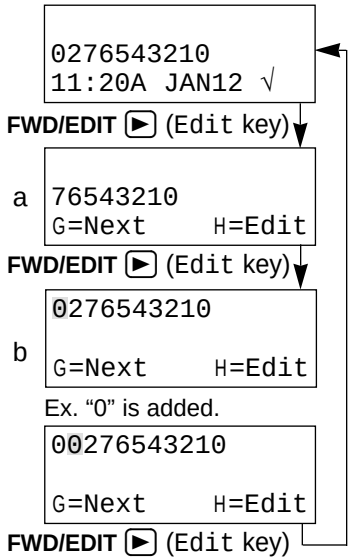
1 Lift the handset off the base unit and press ▼ or ▲ to enter the Caller List.

2 Press ▼ or ▲ repeatedly to find the desired caller.

3 Each time you press **FWD/EDIT** ► (Edit key) to edit, the number is rearranged into one of 2 different patterns.

a Phone no.
(The first 2 digits are deleted.)

b Free editing
- You can add digits to the front of the number, up to a total of 20 digits including the original number.
- Each time you press **INTERCOM/CLEAR**,
  — after you add a number, the digit to the left of the cursor is erased.
  — when the cursor is at the front, the digit on the cursor is erased.



- When you press **FWD/EDIT** ►, the phone number returns to the original number shown in step 2.

4 After editing the number, you can continue with calling back or storing procedures.
To call back, press **TALK** (p. 35).
To store the number in the directory, press ▼ (Next key), and press **FWD/EDIT** ► (Save key). (If the caller has no name information, see page 37, from step 5.)

- The number edited in step 3 will not be maintained in the Caller List.

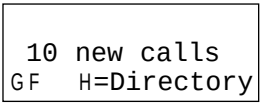
For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

Storing Caller List Information in the Directory

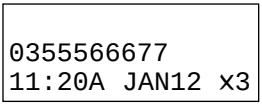
You can store names and phone numbers that are in the Caller List into the directory.

Make sure the unit is in the standby mode initially.

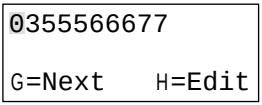
1 Lift the handset off the base unit and press ▼ or ▲ to enter the Caller List.



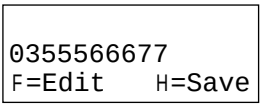
2 Press ▼ or ▲ repeatedly to find the caller you want to store in the directory.



3 To edit the phone number, see page 36, on step 3.
If not required, press **FWD/EDIT** ▶ **twice**.



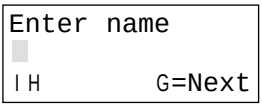
4 Press ▼ (Next key).



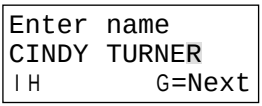
5 Press **FWD/EDIT** ▶ (Save key).

When the caller's name is not displayed in the Caller List:

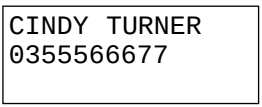
a) If a name is not required, press ▼ (Next key) and press **FWD/EDIT** ▶ (Save key).



b) If a name is required, enter the name (p. 43). When finished, press ▼ (Next key) and press **FWD/EDIT** ▶ (Save key).



- A beep sounds.
- To continue storing other items, repeat from step 2.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.



- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
- If the display shows "Directory full" in step 5, press **FUNCTION/EXIT/CH** to exit the list. To erase other stored items from the directory, see page 48.
- After the maximum of 50 items has been stored, "Directory full" is also displayed.

- You cannot store caller information in the directory if a phone number is not displayed.
- If 3 beeps sound and the display shows "Save error" in step 5, move closer to the base unit and start again from step 2.

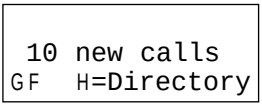
For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

Erasing Caller List Information

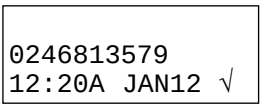
After checking the Caller List, you can erase some or all of the entries.
Make sure the unit is in the standby mode initially.

To erase a specific caller from the Caller List

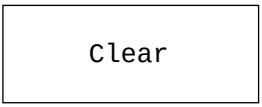
1 Lift the handset off the base unit and press ▼ or ▲ to enter the Caller List.



2 Press ▼ or ▲ repeatedly to find the caller you want to erase from the Caller List.



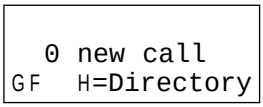
3 Press **INTERCOM/CLEAR**.
- A beep sounds and the information is erased.
- To erase other items, repeat from step 2.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.



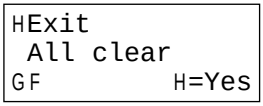
To erase all entries in the Caller List

Before erasing all entries, make sure that "0 new call" is displayed.

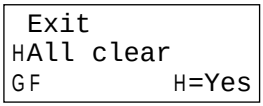
1 Lift the handset off the base unit and press ▼ or ▲ to enter the Caller List.



2 Press **INTERCOM/CLEAR**.

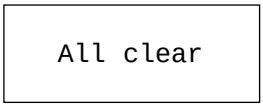


3 Press ▼ or ▲ to select "All clear".



4 Press **FWD/EDIT** ► (Yes key) or **INTERCOM/CLEAR**.

- A beep sounds and all entries are erased.
- The handset will return to the standby mode.



One-Touch Dialler

You can store one phone number in the **DIRECT** button of the handset. The stored number is dialled with a one-touch operation.

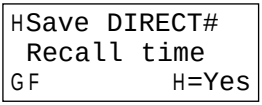
Storing a Phone Number in the DIRECT Button

Make sure the unit is in the standby mode initially.

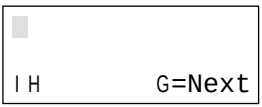
1 Press **FUNCTION/EXIT/CH**.

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

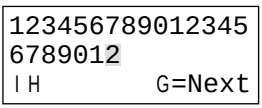
3 Press **FWD/EDIT** ► (Yes key).



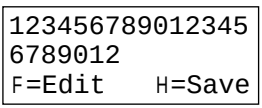
4 While the arrow points to "Save DIRECT#", press **FWD/EDIT** ► (Yes key).



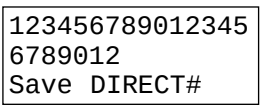
5 Enter a phone number, up to 22 digits.
- Each time you press **INTERCOM/CLEAR**, a digit is erased. To erase all digits, press and hold **INTERCOM/CLEAR**.
- To move the cursor, press **BACK** ◄ or **FWD/EDIT** ►.



6 Press ▼ (Next key).
- If you want to edit the entered number, press ▲ (Edit key) and return to step 5.



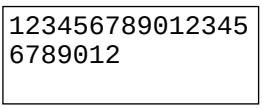
7 Press **FWD/EDIT** ► (Save key).
- A beep sounds.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.



- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
- If a pause is required for dialling, **REDIAL/PAUSE** can be stored in a phone number in step 5. This counts as one digit (p. 51).

Dialling the Stored Number in the DIRECT Button

1 Press **DIRECT**.
- The stored number is displayed.



2 Press **TALK**.
- The number is dialled.

- You can also dial the stored number by pressing **TALK** then pressing **DIRECT**.

Using the Directory

You can store up to 50 names and phone numbers in the directory using the handset. All directory items are sorted by the first word in alphabetical order. Using the directory, you can make a call by selecting a name on the handset display. When you receive a caller ID call from a caller stored in the directory, the display will show the caller's name with the phone number (—**Private name display**) (p. 31).

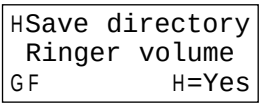
Storing Names and Numbers in the Directory

Make sure the unit is in the standby mode initially.

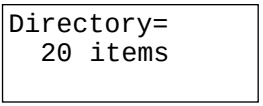
(Continued→)

Using the Directory

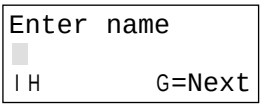
1 Press **FUNCTION/EXIT/CH**.

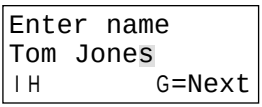


2 While the arrow points to "Save directory", press **FWD/EDIT** ▶ (Yes key).
- The display shows the number of stored items in the directory.

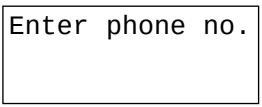


3 Enter a name, up to 15 characters using the dialling buttons (p. 43).
- To move the cursor, press **BACK** ◀ or **FWD/EDIT** ▶.
- If a name is not required, press ▼ (Next key) and go to step 5.

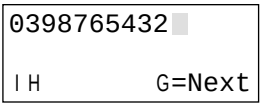




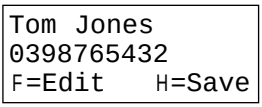
4 Press ▼ (Next key).



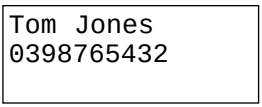
5 Enter a phone number, up to 22 digits.
- Each time you press **INTERCOM/CLEAR**, a digit is erased. To erase all digits, press and hold **INTERCOM/CLEAR**.
- To move the cursor, press **BACK** ◀ or **FWD/EDIT** ▶.



6 Press ▼ (Next key).
- If you want to change the storing name or number, press ▲ (Edit key) repeatedly to reach the desired display and change it.



7 Press **FWD/EDIT** ▶ (Save key).
- A beep sounds.
- To continue storing other items, repeat from step 2.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.

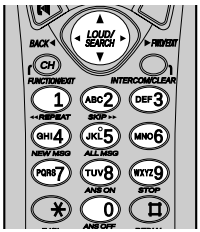


- If a pause is required for dialling, **REDIAL/PAUSE** can be stored in a phone number in step 5. This counts as one digit (p. 51).
- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
- If the display shows "Directory full" in step 2, press **FUNCTION/EXIT/CH**. To erase other stored items from the directory, see page 48.
- After the maximum of 50 items has been stored, "Directory full" is also displayed.

For New Zealand Users:
Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

Selecting Characters to Enter Names

The handset dialling buttons (0 to 9), **BACK** ◄ and **FWD/EDIT** ► can be used to enter letters and symbols. The letters are printed on the dialling buttons. Pressing each button selects a character as shown below.



	Number of times key is pressed										
Keys	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**
1	#	&	’	(	)	∗	,	–	.	/	1
2	A	B	C	a	b	c	2				
3	D	E	F	d	e	f	3				
4	G	H	I	g	h	i	4				
5	J	K	L	j	k	l	5				
6	M	N	O	m	n	o	6				
7	P	Q	R	S	p	q	r	s	7		
8	T	U	V	t	u	v	8				
9	W	X	Y	Z	w	x	y	z	9		
0	0	Space									
BACK ◄	To move the cursor to the left										
FWD/EDIT ►	To move the cursor to the right										

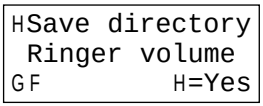
•To enter another character using the same dialling button, press **FWD/EDIT** ► to move the cursor to the next space.

If you make a mistake while entering a name

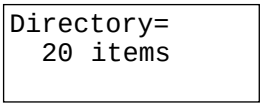
Use **BACK** ◄ or **FWD/EDIT** ► to move the cursor to the incorrect character, press **INTERCOM/CLEAR** to delete and enter the correct character. Each time you press **INTERCOM/CLEAR**, a character is erased. To erase all characters, press and hold **INTERCOM/CLEAR**.

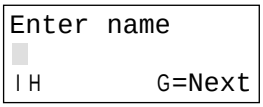
For example, to enter “Tom Jones”:

1 Press **FUNCTION/EXIT/CH**.

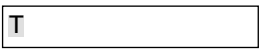


2 While the arrow points to “Save directory”, press **FWD/EDIT** ▶ (Yes key).

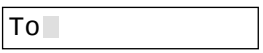




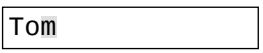
3 Press **8**.



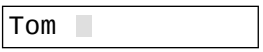
4 Press **6** six times, then press **FWD/EDIT** ▶ to move the cursor to the right.



5 Press **6** four times.



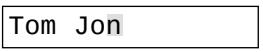
6 Press **FWD/EDIT** ▶ twice to enter a blank.



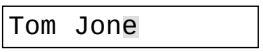
7 Press **5**.

8 Press **6** six times, then press **FWD/EDIT** ▶ to move the cursor to the right.

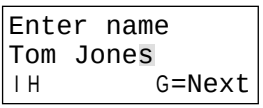
9 Press **6** five times.



10 Press **3** five times.

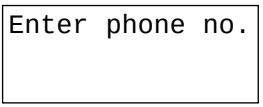


11 Press **7** eight times.



12 When finished, press ▼ (Next key).

- To enter a phone number and continue storing, see page 42, from step 5.



Finding Items in the Directory

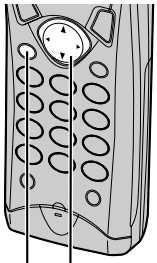
You can search the directory using the handset.
Make sure the unit is in the standby mode initially.

1 Press **BACK** ◄ or **FWD/EDIT** ► to enter the directory list.

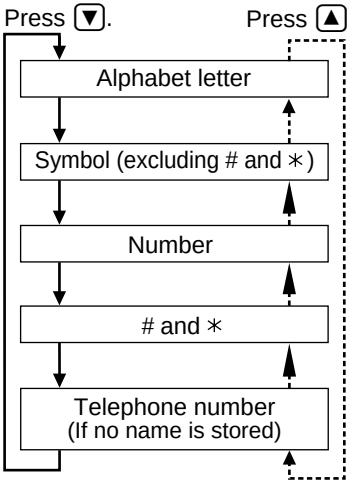
```
Directory list
GF
H=Caller's list
```

2 Press ▼ or ▲.
- The first item is displayed.

```
Ann
0312345678
```



3 Press ▼ or ▲ repeatedly until the desired item is displayed.
- All directory items are stored in the order shown on the right.



To search for a name by initial

① Press the dialling button for the first letter of the desired name until any name with the same initial is displayed (see the Index table on page 46).
Ex. To find "Frank", press 3 repeatedly until the first item under "F" is displayed.

② Press ▼ repeatedly until the name is displayed.

- You can leave the directory list any time by pressing **FUNCTION/EXIT/CH**.
- If "No items stored" is displayed in step 2, the directory is empty.
- In step 1, you can go to the Caller List by pressing **FWD/EDIT** ► (p. 33).

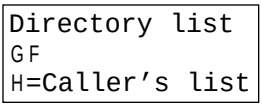
Index table

Keys	Index	Keys	Index
1	Other symbols, 1	6	M, N, O, 6
2	A, B, C, 2	7	P, Q, R, S, 7
3	D, E, F, 3	8	T, U, V, 8
4	G, H, I, 4	9	W, X, Y, Z, 9
5	J, K, L, 5	0	0, Space

Dialling from the Directory

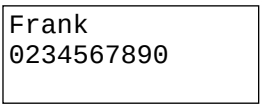
Make sure the unit is in the standby mode initially.

1 Press **BACK** ◄ or **FWD/EDIT** ► to enter the directory list.

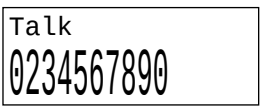


2 Press ▼ or ▲.
- The first item is displayed.

3 Press ▼ or ▲ repeatedly to find the directory item that you want to dial.
- To search for the item by initial, see page 45.
- To exit the directory, press **FUNCTION/EXIT/CH**.



4 Press **TALK**.
- The number is dialled automatically.



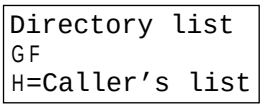
5 To hang up, press **TALK** or place the handset on the base unit.

Editing an Item in the Directory

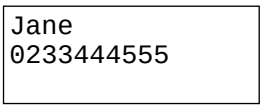
Make sure the unit is in the standby mode initially.

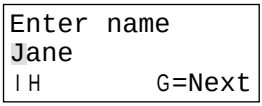
1 Press **BACK** ◄ or **FWD/EDIT** ► to enter the directory list.

2 Press ▼ or ▲.
- The first item is displayed.

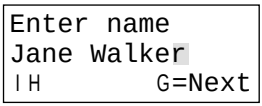


3 Press ▼ or ▲ repeatedly to find the directory item you want to change, and press **FWD/EDIT** ►.
- To search for the item by initial, see page 45.
- If you do not need to change the name, go to step 5.

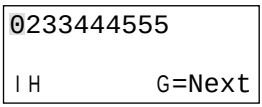




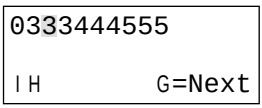
4 Edit the name using the dialling buttons, **BACK** ◄ or **FWD/EDIT** ► (p. 43), up to 15 characters.



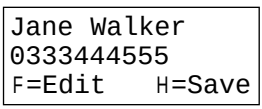
5 Press ▼ (Next key).
- If you do not need to change the number, go to step 7.



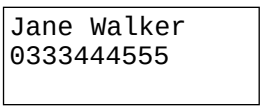
6 Add a number to the current number.
- Each time you press **INTERCOM/CLEAR**, a digit is erased. To erase all digits, press and hold **INTERCOM/CLEAR**.
- To move the cursor, press **BACK** ◄ or **FWD/EDIT** ►.



7 Press ▼ (Next key).
- If you want to change the storing name or number, press ▲ (Edit key) repeatedly to reach the desired display and change it.



8 Press **FWD/EDIT** ► (Save key).
- A beep sounds.
- To continue editing other items, repeat from step 3.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.

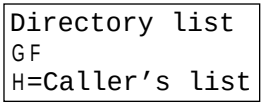


- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.

Erasing an Item from the Directory

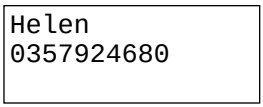
Make sure the unit is in the standby mode initially.

1 Press **BACK** ◄ or **FWD/EDIT** ► to enter the directory list.

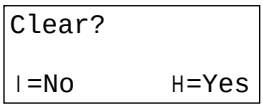


2 Press ▼ or ▲.
- The first item is displayed.

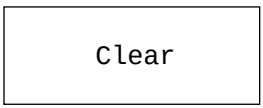
3 Press ▼ or ▲ repeatedly to find the directory item you want to erase.
- To search for the item by initial, see page 45.



4 Press **INTERCOM/CLEAR**.
- To stop erasing, press **BACK** ◄ (No key).



5 Press **FWD/EDIT** ► (Yes key) or **INTERCOM/CLEAR**.
- A beep sounds and the item is erased.
- To erase other items, repeat from step 3.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.



- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.

Intercom

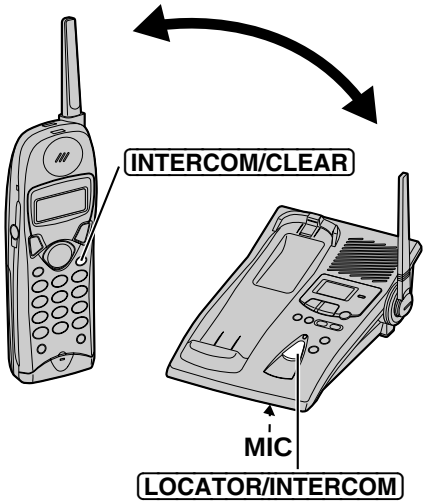
A 2-way intercom is possible between the handset and the base unit.

Paging the base unit from the handset

1 Handset:
Press **INTERCOM/CLEAR**.
Talk to the paged party after the beeps.
•"Intercom" is displayed.

2 Base unit:
When the other party's voice is heard, answer using the **MIC**.

3 Handset:
To end the intercom, press **INTERCOM/CLEAR**.



Paging the handset from the base unit (Handset locator)

Using this feature, you can locate a misplaced handset.

1 Base unit:
Press **LOCATOR/INTERCOM**.
•The handset beeps for 1 minute and "Paging Press INTERCOM" is displayed.
•To stop paging, press **LOCATOR/INTERCOM** again.

2 Handset:
Press **INTERCOM/CLEAR** to answer.
•"Intercom" is displayed.

3 Base unit:
Talk into the **MIC**.

4 Handset:
To end the intercom, press **INTERCOM/CLEAR**.

During an intercom call:
•Intercom calls can only be ended with the handset.
•If the handset user has difficulty hearing the base unit user, decrease the base unit speaker volume by pressing **VOLUME** (∨).
•If an incoming call is received, the intercom call stops and the unit starts to ring. To answer, press **TALK**.

Special Features

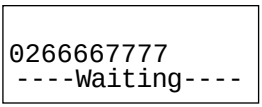
Automatic Security Code Setting

Each time you place the handset on the base unit, the unit automatically selects one of more than a million security codes. These codes help prevent the unauthorized use of your telephone line by another cordless telephone user.

Call Waiting and Caller ID Compatible

(For Australia only)

If you subscribe to Caller ID services, your handset displays a second caller's information while talking. After you hear a call-waiting tone, the caller's phone number and "----Waiting----" will be displayed.



You can answer the second call, keeping the first call on hold. Follow Telstra or your service provider instructions using **RECALL/PLAYBACK**.

- If the phone number is stored in the directory, the caller's name will be displayed (p. 31).
- The second caller's information will not be displayed when:
  — the answering system is recording someone's message,
  — a parallel connected telephone is in use.
- Please contact Telstra or your service provider for details and availability in your area.

Using Caller ID Type II

When you receive a second call during a conversation, you will hear a signal tone following the call waiting tone and the **conversation will be interrupted or muted for a short period of time.** This is not fault of the product as these events are normal.

Note: The tones are generated by the telephone company.

For Call Waiting Service Users in New Zealand

Make sure the recall time is set to 600 msec for use with Telecom's Call Waiting Service. Press **RECALL/PLAYBACK** if you hear a call-waiting tone while talking.

- The first call is put on hold and you can answer the second call.
- To return to the first caller, press **RECALL/PLAYBACK** again.
- Your telephone company may not support the second caller display feature.

How to Use the PAUSE Button

(For PBX Line/Long Distance Calls)

We recommend you press **REDIAL/PAUSE** if a pause is required for dialling with a PBX or to make a long distance call.
Ex. Line access number **9** (PBX)

9 \ **REDIAL/PAUSE** \ Phone number

- Pressing **REDIAL/PAUSE** once creates a 3.5 second pause. This prevents misdialling when you redial or dial a stored number.
- Pressing **REDIAL/PAUSE** more than once increases the length of the pause between numbers.

RECALL Button

Pressing **RECALL/PLAYBACK** allows you to use special features of your host PBX such as transferring an extension call or accessing special telephone services (optional) such as call waiting.

Selecting the recall time

The recall time depends on your telephone exchange or host PBX. You can select the following recall times: “700, 600, 400, 300, 250, 110, 100 or 90 msec (milliseconds)”. KX-TG2581AL comes from the factory set to “100 msec” and KX-TG2581NZ comes from the factory set to “600 msec”.

Make sure the unit is in the standby mode initially.

1 Press **FUNCTION/EXIT/CH**.

2 Press ▼ or ▲ repeatedly until the arrow points to “Program”, and press **FWD/EDIT** ► (Yes key).

```
HProgram
 LCD contrast
GF          H=Yes
```

3 Press ▼ or ▲ repeatedly until the arrow points to “Recall time”, and press **FWD/EDIT** ► (Yes key).

```
 Save DIRECT#
HRecall time
GF          H=Yes
```

4 Press ▼ or ▲ repeatedly until the desired time is displayed, and press **FWD/EDIT** ► (Save key).

- A beep sounds.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.

- You can exit the programming mode any time by pressing **FUNCTION/EXIT/CH**.
- Users in Australia can access Telstra's "EASY CALL" service by having the recall time set at 100 msec (this is the factory default setting), and then follow Telstra's "EASY CALL" instructions to operate this service.
- If the unit is connected via a PBX, PBX functions (transferring a call etc.) might not work correctly. Consult your PBX supplier for the correct setting.

For Call Waiting Service Users in New Zealand

Make sure the recall time is set to 600 msec for use with Telecom's Call Waiting Service. Press **RECALL/PLAYBACK** if you hear a call-waiting tone while talking.

- The first call is put on hold and you can answer the second call.
- To return to the first caller, press **RECALL/PLAYBACK** again.
- Your telephone company may not support the second caller display feature.

Automatic Answering Operation

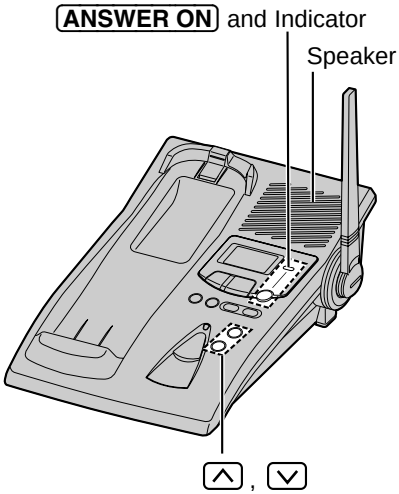
When the unit answers a call, a greeting message is played and the caller's message is recorded.

- The total recording time (including greeting message) is **about 15 minutes**. If messages are recorded in noisy rooms, the time may be shortened by up to 3 minutes.
- A maximum of 64 messages (including greeting message) can be recorded.

Setting the Unit to Answer Calls

Press **ANSWER ON** to turn on the answering system.

- The indicator lights and "Answer set" is heard.
- The unit will announce the remaining recording time if it is less than 5 minutes.
- If you hear "Memory full", "**FULL**" is displayed on the base unit and the ANSWER ON indicator flashes rapidly, erase some, or all, of the messages (p. 57).



- If you do not want the unit to answer calls, press **ANSWER ON** again to turn off the answering system. The indicator light goes out and "Answer off" is heard.
- You can also turn on the answering system remotely using any other phone (p. 58).
- KX-TG2581NZ will not answer incoming calls on your FaxAbility number.

Monitoring incoming calls

While a call is being recorded, you can monitor it through the speaker.

- To increase the speaker volume, press ^. To decrease, press v.

To answer the call with the handset, press **TALK**. The unit stops recording.

Listening to Messages

You can see the total number of recorded messages on the base unit display. If the ANSWER ON indicator flashes, new messages have been recorded.

Listening to only new messages

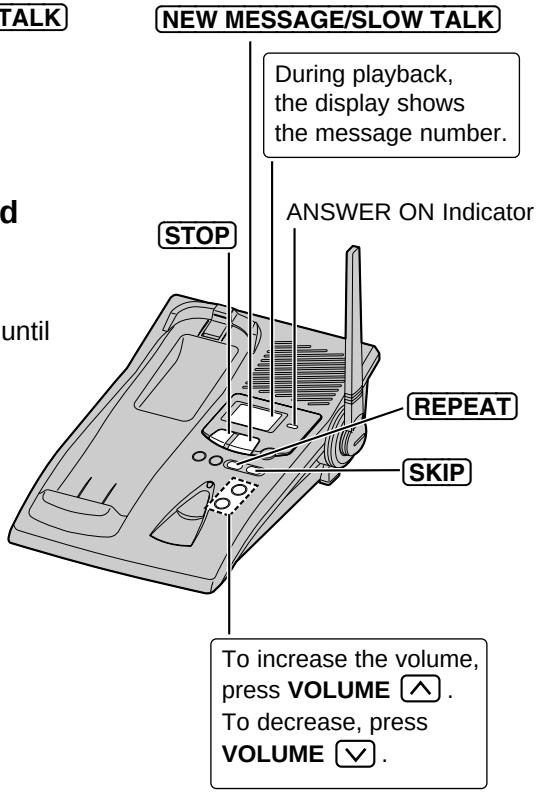
Press **NEW MESSAGE/SLOW TALK** briefly.

- The unit announces the number of new messages and plays them back.

Listening to all recorded messages

Press and hold **NEW MESSAGE/SLOW TALK** until playback starts.

At the end of the last message, "End of final message" is heard. The unit will announce the remaining recording time if it is less than 5 minutes.



Slow Talk Message Playback

For easier listening of recorded messages, you can slow down the playback speed by pressing **NEW MESSAGE/SLOW TALK** during playback. Each time you press the button, the playback speed will change to slow/normal.

Press **NEW MESSAGE/SLOW TALK** during playback.

- The playback speed will slow down by 30%.
- To return to the normal speed, press **NEW MESSAGE/SLOW TALK** again during playback.
- The playback speed will return to normal after playing back all messages.

During playback

To **repeat** message	**To repeat from the beginning of the message** Press **REPEAT**. •If you press within 5 seconds of playback, the previous message will be played.
To **skip** message	**To skip to the next message** Press **SKIP**.
To **stop** operation	Press **STOP**. •To resume playback, press **NEW MESSAGE/SLOW TALK**. •If you do not press any button for 60 seconds or if you press **STOP** again, the unit will return to the standby mode.

For Caller ID service users (p. 31)

During playback, when the handset is on the base unit, the handset display will show the name and/or number of the caller whose message is being played.

To call back the displayed number:

During playback, lift the handset and press **TALK** within 10 seconds.

•The unit stops playback and automatically dials the displayed phone number.

•After listening to new incoming messages, "√" will be added to the call entries in the Caller ID Caller List (p. 34).

From the Handset

If someone else is in the room and you want to listen to the recorded messages privately, you can use the handset.

1 Handset:
Press **RECALL/PLAYBACK**.

- The number of new messages is heard on the handset.

2 Base unit:
To listen to new messages, press **NEW MESSAGE/SLOW TALK** briefly. To listen to all messages, press and hold **NEW MESSAGE/SLOW TALK** until playback starts.

- The messages will be heard on the handset.
- **NEW MESSAGE/SLOW TALK**, **REPEAT**, **SKIP** and **STOP** can also be used during playback (p. 54, 55).

3 When finished, press **RECALL/PLAYBACK** or place the handset on the base unit.

- You can also listen to messages without using the base unit. See page 64.

Erasing Messages

The unit will announce the remaining recording time after playback, if it is less than 5 minutes. New messages cannot be recorded when:
—"Memory full" is heard.
—"**FULL**" is displayed on the base unit.
—the ANSWER ON indicator flashes rapidly.
Erase some, or all, of the messages. We recommend you erase unnecessary messages after each playback.

Erasing a specific message

Press **ERASE** while the message you want to erase is being played.

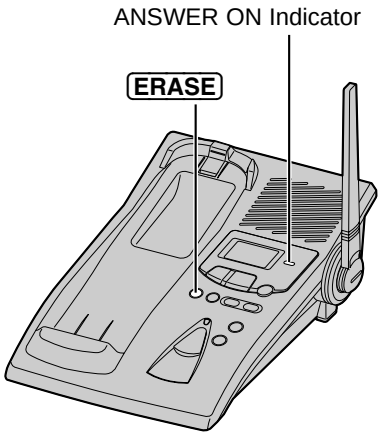
- The unit erases the message.
- A short beep will sound and the unit will continue to play the next message.

Erasing all messages

All recorded messages, except the greeting message, can be erased at one time.

1 Press **ERASE**.
- "Press ERASE again to erase all messages" is heard.

2 Within 5 seconds, press **ERASE** again.
- A beep sounds and "No messages" is heard.
- The base unit display shows "0".

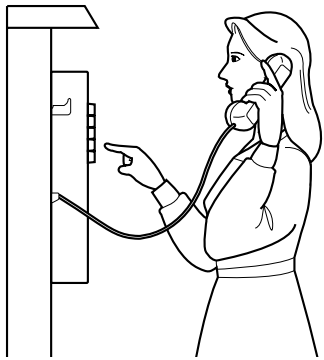


- The information in the Caller List will not be erased. To erase Caller List information, see page 38.

Remote Operation from a Touch Tone Phone

You can operate the answering system from any touch tone phone. A synthesized voice menu will guide you on how to operate the unit (p. 60).

- To skip the voice menu and operate the unit directly, see page 62.



Summary of remote operation

Call your unit from a touch tone phone.

↓

Enter your remote code (p. 59) during or after the greeting message.
- The number of new messages is heard.

↓

After 3 seconds, the voice menu will start (p. 60).
Follow the menu or enter the direct commands (p. 62).

↓

To end remote operation, hang up.
- The messages are saved.

- The unit will announce the remaining recording time after playback, if it is less than 5 minutes.

Setting the Remote Code

The remote code prevents unauthorized people from accessing your unit and listening to your messages. Choose any **2-digit number (00–99)**. The factory preset remote code is "**11**". If you do not program your own remote code, you can use "11".

Make sure the unit is in the standby mode initially.

1 Press **FUNCTION/EXIT/CH**.

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
HProgram
 LCD contrast
GF          H=Yes
```

3 Press **FWD/EDIT** ▶ (Yes key).

```
HSave DIRECT#
 Recall time
GF          H=Yes
```

4 Press ▼ or ▲ repeatedly until the arrow points to "TAD program".

```
HTAD program

GF          H=Yes
```

5 Press **FWD/EDIT** ▶ (Yes key).
- "P" is displayed on the base unit.

```
Time/day Adj.→0
See manual for
other settings.
```

6 Press 1.
- The current remote code is displayed on the base unit.

7 Enter a remote code using a **2-digit number (00–99)**.

8 Press **FWD/EDIT** ▶ (Save key).
- A beep sounds.
- To return to the standby mode, press **FUNCTION/EXIT/CH**.

- If 6 beeps sound during programming, a wrong key was pressed. Enter the correct number.

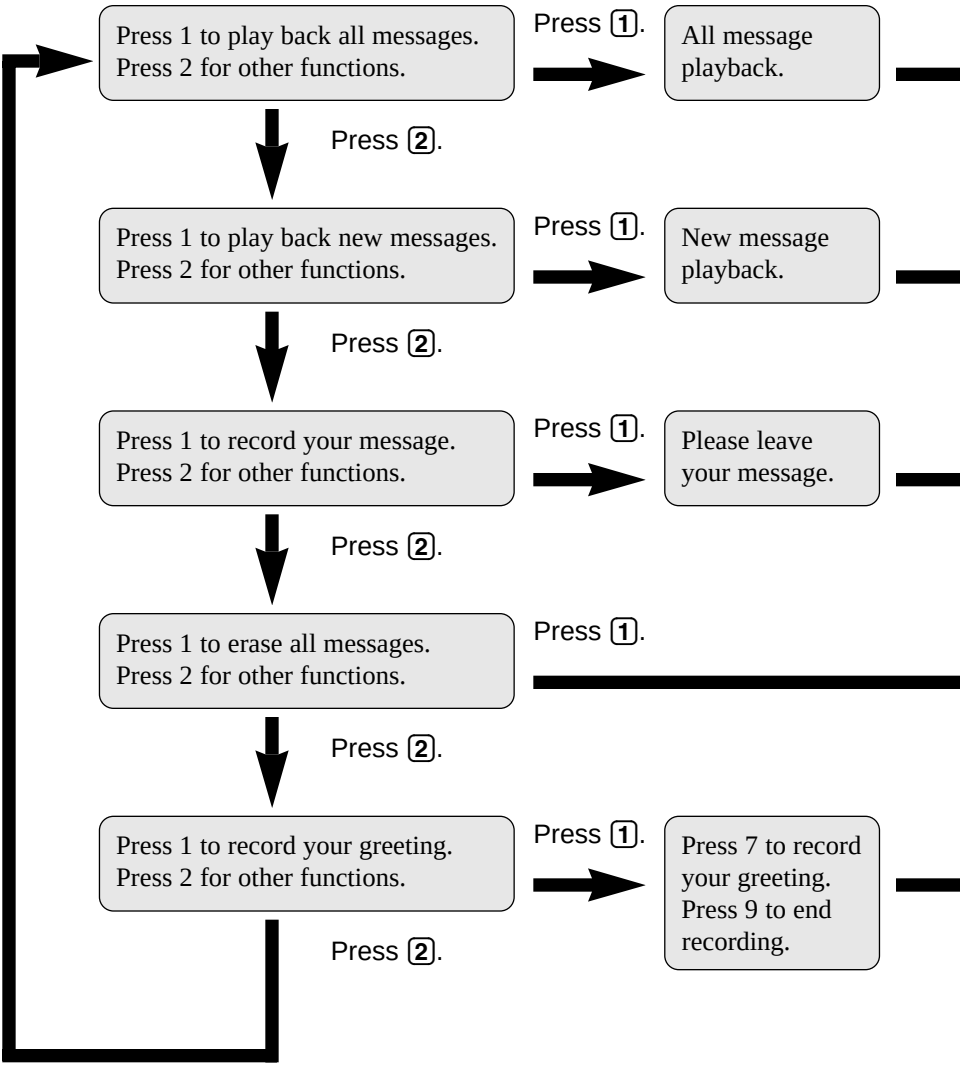
To check the remote code

Repeat steps 1 to 6.

- The current remote code is displayed on the base unit. When finished, press **FUNCTION/EXIT/CH**.

Voice Menu

The shaded boxes are voice prompts.



All Message Playback
All recorded messages are played back. At the end of the last message, "End of final message" is heard. The unit will announce the remaining recording time if it is less than 5 minutes.

New Message Playback
Only new messages are played back. At the end of the last message, "End of final message" is heard. The unit will announce the remaining recording time if it is less than 5 minutes.

Recording a Memo Message
You can leave a personal message.
1. Talk after you hear "Please leave your message".
2. When you finish recording, hang up.

Erasing All Messages
All recorded messages (except greeting message) are erased.

Recording a Greeting Message
You can re-record your greeting message.
1. Press 7.
   You will hear a voice prompt followed by a long beep.
2. After the beep, talk for up to 2 minutes.
3. When you finish recording, press 9.
4. Your greeting will be played back for confirmation.

- 3 seconds after playback, the voice menu will start again from the beginning.
- If you hear "Memory full" after playback, erase some, or all, of the messages (p. 63).

Direct Remote Operation

Once you have entered the remote code, you can also control your unit by direct commands instead of using the voice menu. To end the remote operation, hang up anytime.

Direct commands

NEW MESSAGE PLAYBACK	4	•Only new messages are played back.
ALL MESSAGE PLAYBACK	5	•All messages are played back.
REPEAT (During playback)	1	•The current message is repeated.
SKIP (During playback)	2	•The current message is skipped. The next message is played.
CHANGING PLAYBACK SPEED (During playback)	3	•Each time you press the button, the playback speed will change to slow/normal.
STOP	9	•Operation is stopped temporarily. •To resume operation, enter a direct command within 15 seconds, or the voice menu will start.
GREETING MESSAGE RECORDING	7 [RECORD [9	•A long beep sounds. •After the beep, talk immediately for up to 2 minutes. •The recording is stopped. •The recorded message is played.

ERASING A SPECIFIC MESSAGE (During playback)	✱ 4	•The current message is erased. •A short beep will sound and the next message will be played.
ERASING ALL MESSAGES	✱ 5	•All recorded messages are erased. •A long beep sounds and "No messages" is heard.
ANSWERING SYSTEM OFF	0	•The unit hangs up and will not answer calls until turned on again.

Turning on the answering system

Call your unit and wait for 15 rings.

- The unit will answer and the greeting message will be played.
- The answering system will turn on. Hang up or enter the remote code for other options.
- When turning on the answering system using a rotary or pulse service telephone, you cannot enter the remote code for other options.

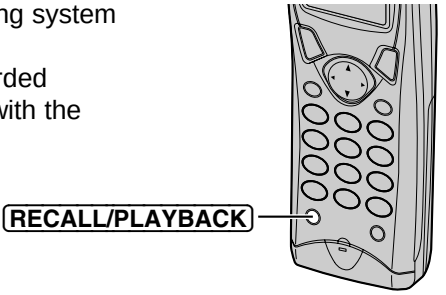
Skipping the greeting message

After calling your unit, press ✱ during the greeting message.

- The unit skips the rest of the greeting message and you can start recording your message after the long beep.

Remote Operation with the Handset

You can operate your answering system with the handset.
The announcements and recorded messages can only be heard with the handset.



Summary of remote operation

Press **RECALL/PLAYBACK**.
- The number of new messages is heard.
- "Remote operation" is displayed on the handset.

↓

Enter the desired direct commands (p. 65).
- If you do not enter a command, the voice menu will start (see below).
- After the voice menu, all message playback will start.

↓

To end remote operation, press **RECALL/PLAYBACK**.
- The messages are saved.

- The unit will announce the remaining recording time after playback, if it is less than 5 minutes.
- If the unit starts to ring during the remote operation, press **TALK** to answer the call. The remote operation is ended.
- If you hear "Memory full" after playback, erase some, or all, of the messages (p. 65).

Voice menu

If no commands are entered after you press **RECALL/PLAYBACK**, the unit will start the following voice menu.

"Press 4 to play back new messages. Press 5 to play back all messages."

- You can enter direct commands even if the voice menu has started.

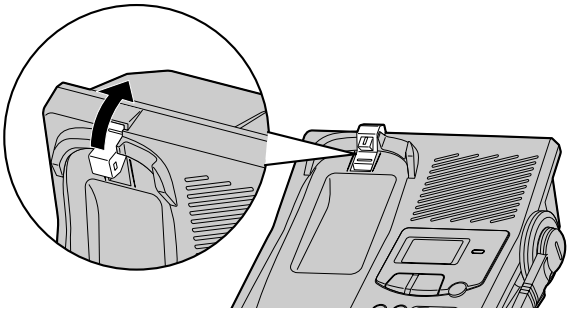
Direct commands

NEW MESSAGE PLAYBACK	4	•Only new messages are played back.
ALL MESSAGE PLAYBACK	5	•All messages are played back.
REPEAT (During playback)	1	•The current message is repeated. •You can also press **BACK** ◄ to repeat a message.
SKIP (During playback)	2	•The current message is skipped. The next message is played. •You can also press **FWD/EDIT** ► to skip a message.
CHANGING PLAYBACK SPEED (During playback)	3	•Each time you press the button, the playback speed will change to slow/normal.
STOP	9	•Operation is stopped temporarily. •To resume operation, enter a direct command within 15 seconds, or the voice menu will start (p. 64).
ERASING A SPECIFIC MESSAGE (During playback)	* 4	•The current message is erased. •A short beep will sound and the next message will be played.
ERASING ALL MESSAGES	* 5	•All recorded messages are erased. •A long beep sounds and "No messages" is heard.
ANSWERING SYSTEM OFF	0	•"Answer off" is heard and the answering system is turned off.
ANSWERING SYSTEM ON	8	•"Answer set" is heard and the answering system is turned on.

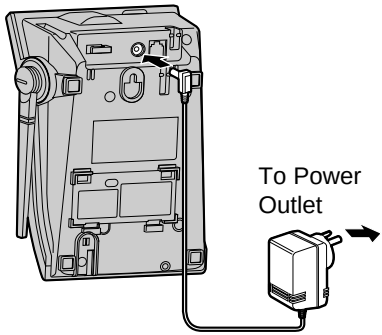
Wall Mounting

This unit can be mounted on a wall.

1 Push the hook and turn it around.
Turn the hook until a click is heard.

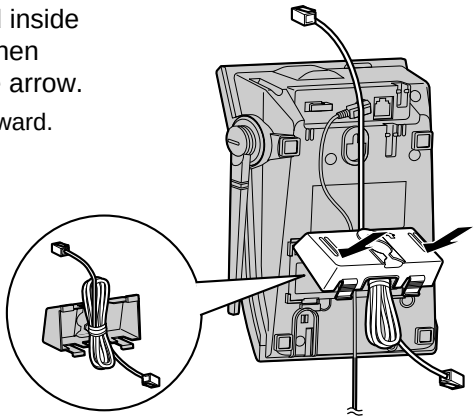


2 Connect the AC adaptor.



3 Tuck the telephone line cord inside the wall mounting adaptor, then push it in the direction of the arrow.

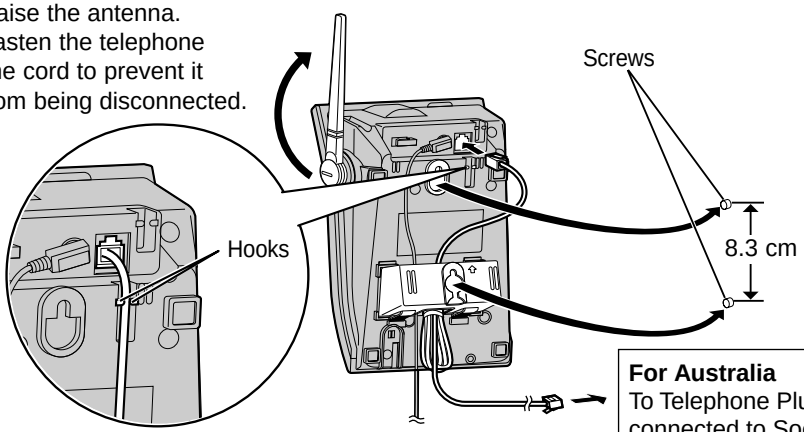
- The word “UP” should face upward.



4

Install screws using the wall template below.
Connect the telephone line cord. Mount the unit, then slide down.

- Raise the antenna.
- Fasten the telephone line cord to prevent it from being disconnected.

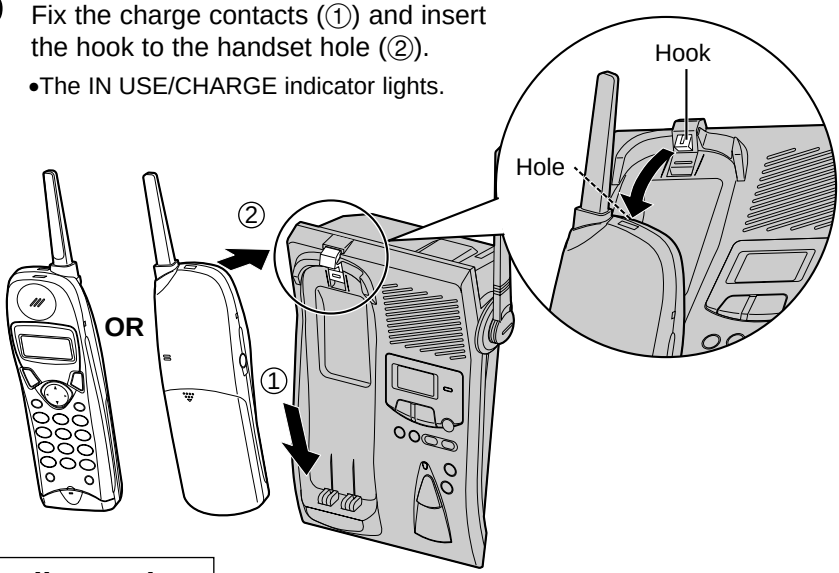


For Australia
To Telephone Plug connected to Socket
OR
For New Zealand
To Single-Line Telephone Jack

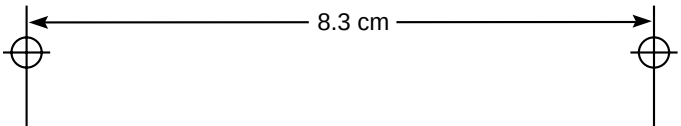
5

To charge the handset battery:
Fix the charge contacts (①) and insert the hook to the handset hole (②).

- The IN USE/CHARGE indicator lights.



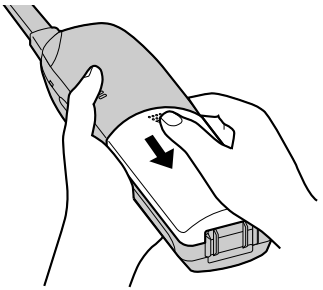
Wall Template



Battery Replacement

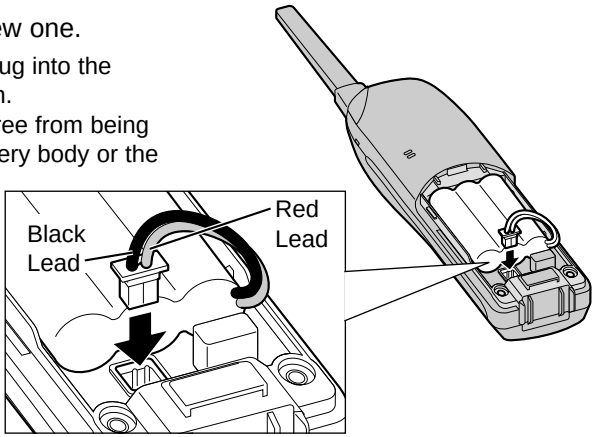
If "Recharge" is displayed and/or "[▮]" flashes after a few telephone calls even if the battery was fully charged, replace the battery with a new Panasonic N4HKGMB00001 (P-P510) battery.

1 Press the notch on the battery cover firmly and slide it as indicated by the arrow.



2 Remove the old battery and wait for **a few minutes**.
Then install the new one.

- Insert the battery plug into the connector as shown.
- Be sure wires are free from being pressed by the battery body or the handset cover.



3 Close the cover. Make sure the handset display shows "[▮]", when you place the handset on the base unit.

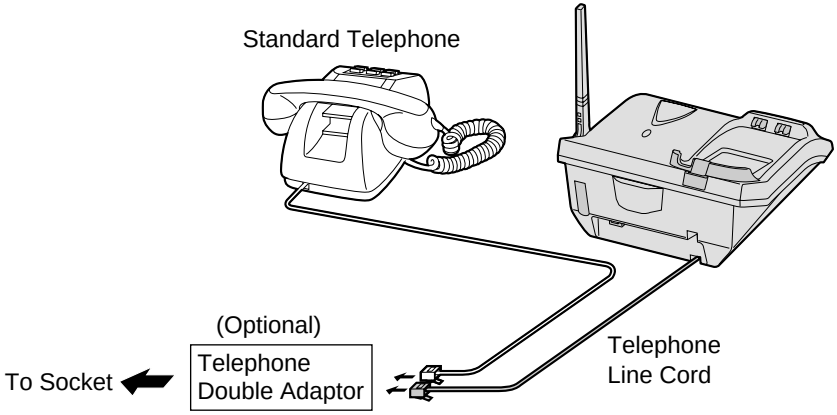
- If it does not show "[▮]", remove the new battery and wait for 10 minutes; and then insert the battery again. Make sure the handset display shows "[▮]".

4 Charge the new battery for about 6 hours in order to display the battery strength prompt correctly (p. 13).

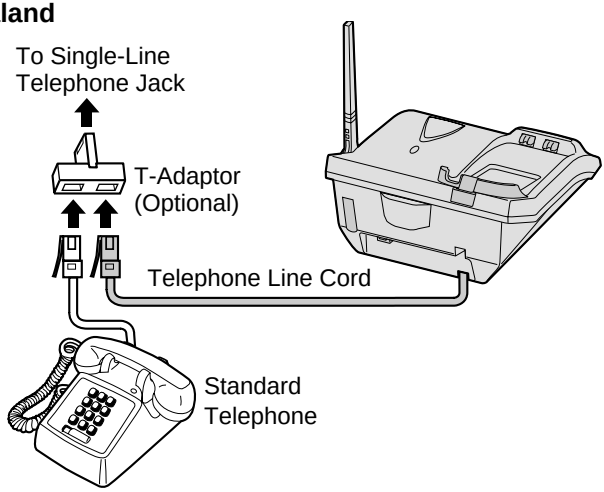
Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use a telephone double adaptor (for Australia) or a T-adaptor (for New Zealand).

For Australia



For New Zealand



Troubleshooting

Cordless Telephone

Problem	Cause & Remedy
"No link to base Place on cradle and try again." is displayed and an alarm tone sounds.	•You are too far from the base unit. Move closer and try again. •Place the handset on the base unit and try again. •Plug in the AC adaptor. •Raise the base unit antenna.
Static, sound cuts in/out, fades. Interference from other electrical units.	•Locate the handset and the base unit away from other electrical appliances (p. 3). •Move closer to the base unit. •Raise the base unit antenna. •Press **FUNCTION/EXIT/CH** to select a clearer channel.
The handset does not ring.	•The ringer volume is set to OFF. Set to HIGH or LOW (p. 19).
The handset display is blank.	•The handset is in the standby mode (p. 14). Press ▼, ▲, **BACK** ◄ or **FWD/EDIT** ► to turn the display on.
The handset display is still blank after pressing ▼, ▲, **BACK** ◄ or **FWD/EDIT** ►.	•Charge the battery fully (p. 13).
You cannot store a name and phone number in the directory.	•You cannot store an item in the directory while the unit is in the talk mode or intercom mode, or while the answering system is in use. •Do not pause for over 60 seconds while storing.
While programming or searching, the unit starts to ring and stops the program/ search.	•To answer the call, press **TALK**. Start again from the beginning after hanging up.

Problem	Cause & Remedy
The unit does not display the caller's name and/or phone number.	•You need to subscribe to a Caller ID service. •Other telephone equipment may be interfering with your phone. Disconnect it and try again. •Other electrical appliances connected to the same outlet may be interfering with the Caller ID information. •Telephone line noise may be affecting the Caller ID information. •Some of PBX units may not support Caller ID. Please consult with your PBX supplier. •The calling party does not subscribe to Caller ID services.
The handset display goes to the standby mode while viewing the Caller List.	•Do not pause for over 60 seconds while searching.
When a second call is received during a conversation, the unit does not display the new caller's name and/or phone number.	•The line mode selection is incorrect. See page 16.
LOCATOR/INTERCOM does not function.	•The handset is too far from the base unit. •The handset is engaged in an outside call, viewing the Caller List/directory list or listening to messages. Wait until the IN USE/CHARGE indicator light goes out.
You cannot redial by pressing **REDIAL/PAUSE**.	•If the last number dialled was more than 32 digits long, the number will not be redialled correctly. •The button has a double function as either redial or pause. It will redial the last number dialled if pressed at the outset of a call (p. 28). If another number has been dialled first, it will operate as a pause button (p. 51).

Problem	Cause & Remedy
You cannot have a conversation using the handset.	•When the headset is connected (p. 15), you must use the headset to talk with the caller. To have a normal cordless phone conversation, disconnect the headset.
You cannot have a conversation using the headset.	•Make sure that the headset is connected properly (p. 15). •Please use only the Panasonic KX-TCA88AL headset.

Answering System

Problem	Cause & Remedy
The answering system is on, but incoming messages are not recorded.	•The recording time is set to “Greeting only”. Select “1 minute” or “3 minutes” (p. 26). •Memory is full. Erase some, or all, of the messages (p. 57).
You cannot listen to the recorded messages.	•Make sure that the unit is in the standby mode.
“FULL” is displayed and the ANSWER ON indicator flashes rapidly, and no new messages are recorded.	•Memory is full. Erase some, or all, of the messages (p. 57).
You cannot operate the answering system at the base unit.	•The handset user is operating the answering system, or is engaged in an outside call. Wait until the IN USE/CHARGE indicator light goes out.
You cannot operate the answering system from a touch tone phone.	•Make sure you enter the correct remote code. •The answering system may not respond if the tones are too short to activate the unit. Press each button firmly. •The answering system is off. Turn it on (p. 63).

Problem	Cause & Remedy
You cannot operate the answering system with the handset.	•Someone is operating the answering system. •You are too far from the base unit. Move closer to the base unit. •The unit is recording a message. To answer the call, press **TALK**.
While recording a greeting message, the unit starts to ring and stops recording.	•To answer the call, lift the handset off the base unit or press **TALK**. Start again from the beginning after hanging up.
During playback, the unit starts to ring and stops playback.	•To answer the call, lift the handset off the base unit or press **TALK**. To resume playback, press **NEW MESSAGE/SLOW TALK** after hanging up.
The handset does not display the name and/or number of the caller whose message is being played.	•Place the handset on the base unit correctly (p. 55). •If the caller is not stored in the Caller List, the handset will not display the caller's information.

General

Problem	Cause & Remedy
The unit does not work.	•Check the settings (p. 12–16). •Charge the battery fully (p. 13). •Clean the charge contacts and charge again (p. 14). •Install the battery properly (p. 68). •Place the handset on the base unit and unplug the AC adaptor to reset. Plug in, and try again. •Re-install the battery and place the handset on the base unit (p. 68). Try again. •KX-TG2581AL and KX-TG2581NZ are not designed to be used with rotary (pulse dialling) services.

Troubleshooting

Problem	Cause & Remedy
You cannot program items, such as the LCD contrast.	•Programming is not possible while the unit is in the talk mode, when viewing the Caller List/directory list, or while the answering system is in use. •Do not pause for over 60 seconds while programming. •Move closer to the base unit. •▼, ▲, **BACK** ◄ or **FWD/EDIT** ► may have been pressed when you picked up the handset. Press **FUNCTION/EXIT/CH** and try again.
Previously programmed information is erased.	•If a power failure occurs, programmed information may be erased. Reprogram if necessary.
"Recharge" is displayed on the handset, "[▮]" flashes or the unit beeps intermittently.	•Charge the battery fully (p. 13).
You charged the battery fully, but "Recharge" is still displayed and/or "[▮]" continues to flash.	•Clean the charge contacts and charge again (p. 14). •Install a new battery (p. 68).
The IN USE/CHARGE indicator light does not go out after the battery has been charged.	•This is normal.

For Australian Customers
Panasonic Australia operates a toll free Customer Support Centre.
Please phone Panasonic on 132600 for assistance.

For New Zealand Customers
Panasonic New Zealand operates a toll free Customer Support Centre.
Please phone 0800 Panasonic (0800 726276) for assistance.

Safety Instructions

Take special care to follow the safety suggestions listed below.

Safety

1) The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
2) When left unused for a long period of time, the base unit should be unplugged from the household AC outlet.
3) To minimize the possibility of lightning damage when you know that a thunderstorm is coming, we recommend that you:
   a) Unplug the telephone line cord from the phone jack.
   b) Unplug the power supply cord from the AC power outlet.

Installations

Environment

1) Do not use this unit near liquids—for example, near a bathtub, washbowl, sink, etc. Damp environments should also be avoided.
2) The unit should be kept away from heat sources such as heaters, kitchen stoves, etc. It also should not be placed in rooms where the temperature is less than 5°C or greater than 40°C.
3) The AC adaptor is used as the main disconnect device, ensure that the AC outlet is located/installed near the unit and is easily accessible.

Placement

1) Do not place heavy objects on top of this unit.
2) Care should be taken so that objects do not fall onto, and liquids are not spilled into, the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.
3) Place the unit on a flat surface.

For best performance

1) If noise prevents the conversation from being understood at the handset, approach the base unit to lessen the noise.
2) The handset should be used at the HIGH volume setting when the reception audio is difficult to hear.
3) The handset should be fully recharged on the base unit when "Recharge" is displayed and/or "[▮]" flashes.
4) The handset antenna should not be touched during use because it can effect the handset's performance.
5) The maximum calling distance may be shortened when the unit is used in the following places: Near obstacles such as hills, tunnels, undergrounds, near metal objects such as wire fences, etc.

Safety Instructions

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO LIQUID OR ANY TYPE OF MOISTURE.

When a failure occurs which results in the internal parts becoming accessible, disconnect AC adaptor immediately and return this unit to the place of purchase or service centre.

If there is any trouble, disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, do not reconnect the unit to the telephone line until the fault has been repaired. If the known working phone does not operate properly, consult your telephone company.

This equipment has been tested and found to comply with AS/NZS 3548: 1995 limits for electromagnetic interference. Any modifications to any part of the system or to any peripherals may void the EMC compliance of the system or the peripherals.

This equipment will be inoperable if mains power fails.

The earcap on the handset is magnetised and may retain metallic objects.

Operating near 2.4GHz electrical appliances may cause interference. Move away from the electrical appliances and/or press the CH (Channel) button.

Medical
Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 2401MHz to 2462MHz, and the power output level can range from 0.001 watts to 0.10 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

For New Zealand Users Only

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

WARNING NOTICE:

No "111" or other calls can be made from this device during a mains power failure.

This equipment shall not be set to make automatic calls to the Telecom "111" Emergency Service.

- We recommend that a standard phone which can be used in the case of a power failure be connected to the telephone line at all times.
- This equipment should not be used under any circumstances which may constitute a nuisance to other Telecom customers.

Specifications

■ **Base unit**

Power Supply:	AC Adaptor (230–240 V AC, 50 Hz)
Power Consumption:	Standby: Approx. 3.8 W Maximum: Approx. 5.5 W
Frequency:	2.401 GHz – 2.462 GHz
Dimensions (H x W x D):	Approx. 65 mm x 143 mm x 203 mm
Mass (Weight):	Approx. 370 g

■ **Handset**

Power Supply:	Ni-Cd battery (3.6 V, 850 mAh)
Frequency:	2.401 GHz – 2.462 GHz
Dimensions (H x W x D):	Approx. 237 mm x 58 mm x 37 mm
Mass (Weight):	Approx. 210 g
Security Codes:	1,000,000

■ **Dialling Mode:** Tone (DTMF)

■ **Operating Environment:** 5 °C – 40 °C

Specifications are subject to change without notice.

Important Information (For Australia only)

Instructions to customer

Installation

Attached to this apparatus is an approval label. This label is evidence that it is a “Permitted Attachment” which has been authorised to be connected to your telephone service.

Conditions relating to connection and operation of this Permitted Attachment are contained in Telecommunications General By-Law 220 (5).

You are authorised to install this Permitted Attachment yourself by plugging it into the line socket of any regular telephone. You may connect it in place of your existing telephone or to any spare telephone socket installed in your premises.

To disconnect your existing telephone you must first remove its plug from the line socket. You can then insert the plug of your Permitted Attachment into the socket and use your equipment.

If the plug of your existing telephone cannot be readily removed, you will have to remove the screw securing it. To do this proceed as follows:

1. Loosen screw “A” sufficiently to remove the socket cover. (See Fig. 1.)
2. Remove screw “B” and withdraw the plug. (See Fig. 2.)
3. Replace screw “B”. (See Fig. 3.) Ensure that it screws completely into the socket recess. (If the screw is too long, increase the hole depth or replace the screw with one 5 mm shorter.)
4. Replace socket cover and tighten screw “A”. (See Fig. 4.)

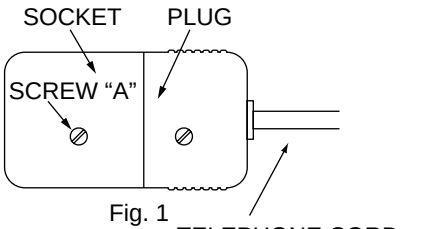


Fig. 1

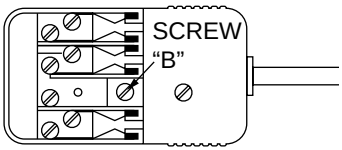


Fig. 2

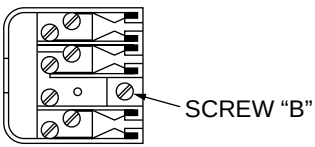


Fig. 3

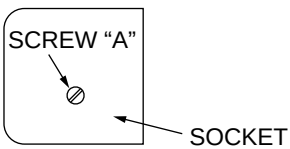


Fig. 4

If you are satisfied with the operation of your telephone service after plugging in your Permitted Attachment, your installation is completed.

You will be unable to connect this Permitted Attachment if your telephone service consists only of a wall phone or an old style telephone which is not connected by means of a modern plug and socket. In such cases a new socket will need to be installed.

Should the Permitted Attachment not operate when plugged into a socket, it is either faulty or unsuitable for operation with your telephone service. It should be returned to the store where purchased or an Authorised Service Centre.

Service difficulties

If at any time a fault occurs on your telephone service carry out the following checks before you call for service:

- Disconnect the Permitted Attachment and try using the service with the normal telephone.
- If the telephone service then operates satisfactorily, the fault is in your Permitted Attachment. Leave the Permitted Attachment disconnected and report the fault to its supplier or agent to arrange for repair.
- If when using the telephone the service is still faulty, report the fault to “Service Difficulties and Faults” for attention.

You are required to keep this Permitted Attachment in good working order while it is connected to your telephone service. Its construction or internal circuit must not be modified in any way without permission.

WARNING

This cordless telephone system does not incorporate provision for secrecy of conversations. Appropriately tuned radio equipment and other cordless telephone systems in close proximity may be used by a third party to monitor and possibly interrupt conversations in progress when this system is on radio operation.

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